

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.

UTU-71417

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

BITTER CREEK 1122-5C

9. API Well No.

43-047395602

10. Field and Pool, or Exploratory
UNDESIGNATED

11. Sec., T., R., M., or Blk. and Survey or Area

LOT 6, SEC. 5, T11S, R22E

12. County or Parish
UINTAH

13. State
UTAH

1a. Type of Work: ☒ DRILL

☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL & GAS ONSHORE LP

3A. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface NE/NW 1070'FNL, 2489'FWL 6300584 39.845200
At proposed prod. Zone 44170234 - 109.478751

14. Distance in miles and direction from nearest town or post office*

37.5 +/- MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed*

location to nearest
property or lease line, ft. 1070'
(Also to nearest drig. unit line, if any)

16. No. of Acres in lease

1520.00

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

REFER TO
TOPO C

19. Proposed Depth

8480'

20. BLM/BIA Bond No. on file

BOND NO. WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5535'GL

22. Approximate date work will start*

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature



Name (Printed/Typed)

SHEILA UPCHEGO

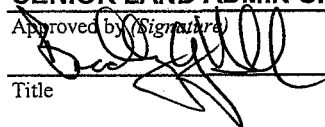
Date

8/16/2007

Title

SENIOR LAND ADMIN SPECIALIST

Approved by (Signature)



Name (Printed/Typed)

Office

Date

08-27-07

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

AUG 20 2007

DIV. OF OIL, GAS & MINING

T11S, R22E, S.L.B.&M.

Kerr McGee Oil & Gas Onshore LP

Well location, BITTER CREEK #1122-5C, located as shown in LOT 6 of Section 5, T11S, R22E, S.L.B.&M. Uintah County, Utah.

SW 1/4 Cor. Sec. 31
1977 Brass Cap
Flush With Pile
of Stones

S 1/4 Cor. Sec. 31
1991 Alum. Cap
0.2' High, Pile
of Stones

SE Cor. Sec. 31
1991 Alum. Cap
1.3' High, Pile
of Stones

N89°46'37"W - 2105.36' (Meas.)
True Position
1928 Brass Cap
1.4' High, Pile
of Stones

N89°52'38"W - 2651.07' (Meas.)

S89°51'16"W - 2648.27' (Meas.)
971.72' (Meas.)

32

T10S
T11S

S 1/4 Cor. Sec. 32
1991 Alum. Cap
0.3' High, Pile
of Stones

C.C.
1928 Brass Cap
0.6' Above 2.0'
High Pile of Stones

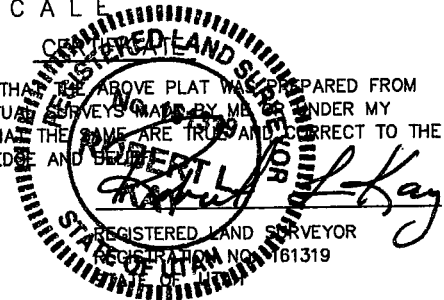
BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



SCALE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-18-07	DATE DRAWN: 06-04-07
PARTY L.D.K. J.R. L.A.K.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr McGee Oil & Gas Onshore LP	

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°53'42.83" (39.895231)
LONGITUDE = 109°28'46.25" (109.479514)
(NAD 27)
LATITUDE = 39°53'42.95" (39.895264)
LONGITUDE = 109°28'43.79" (109.478831)

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

S89°59'05"E - 2654.20' (Meas.)
N89°58'E - 2656.16' (G.L.O.)

BITTER CREEK #1122-5C
Elev. Ungraded Ground = 5537'

LOT 4 LOT 3 LOT 2 LOT 1

LOT 5 LOT 6 LOT 7 LOT 8

5

S00°02'55"W - 3130.48' (Meas. To C.C.)
S00°02'55"W - 3134.53' (Meas. To True)

S00°02'06"W - 2641.20' (Meas.)

N00°03'W - 2640.00' (G.L.O.)

1928 Brass Cap
Pile of Stones

Brass Cap

1928 Brass Cap
0.5' Above 2.0'
High, Pile of Stones

1928 Brass Cap
1.0' High, Pile
of Stones

1070'

2489'

**BITTER CREEK 1122-5C
NE/NW SEC. 5, T11S, R22E
UINTAH COUNTY, UTAH
UTU-71417**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	949'
Top of Birds Nest Water	1255'
Mahogany	1557'
Wasatch	3991'
Mesaverde	6447'
MVU2	7443'
MVL1	8059'
TD	8480'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	949'
	Top of Birds Nest Water	1255'
	Mahogany	1557'
	Wasatch	3991'
Gas	Mesaverde	6447'
Gas	MVU2	7443'
Gas	MVL1	8059'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8480' TD, approximately equals 5258 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3392 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 16, 2007
WELL NAME BITTER CREEK 1122-5C TD 8,480' MD/TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,535' GL KB 5,550'
SURFACE LOCATION NE/NE, LOT 6, SEC. 5, T11S, R22E 1070'FNL, 2489'FWL BHL Straight Hole
Latitude: 39.895231 Longitude: 109.479514
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDGOM, Tri-County Health Dept.

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
	TOPS				
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 3,991'					
	Green River @	0,949'			
	Top of Birds Nest Water @	1255'			
	Mahogany @	1,557'			
	Preset f/ GL @				
	1,900' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Wasatch @	3,991'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.2 ppg
	Mverde @	6,447'			
	MVU2 @	7,443'			
	MVL1 @	8,059'			
	TD @	8,480'			Max anticipated Mud required 11.2 ppg



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 1900	32.30	H-40	STC	0.74*****	1.54	4.73
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8480	11.60	I-80	LTC	2.53	1.29	2.34

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.2 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3073 psi
- ***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		EXP. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,490'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	60%	11.00	3.38
	TAIL	4,990'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1400	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

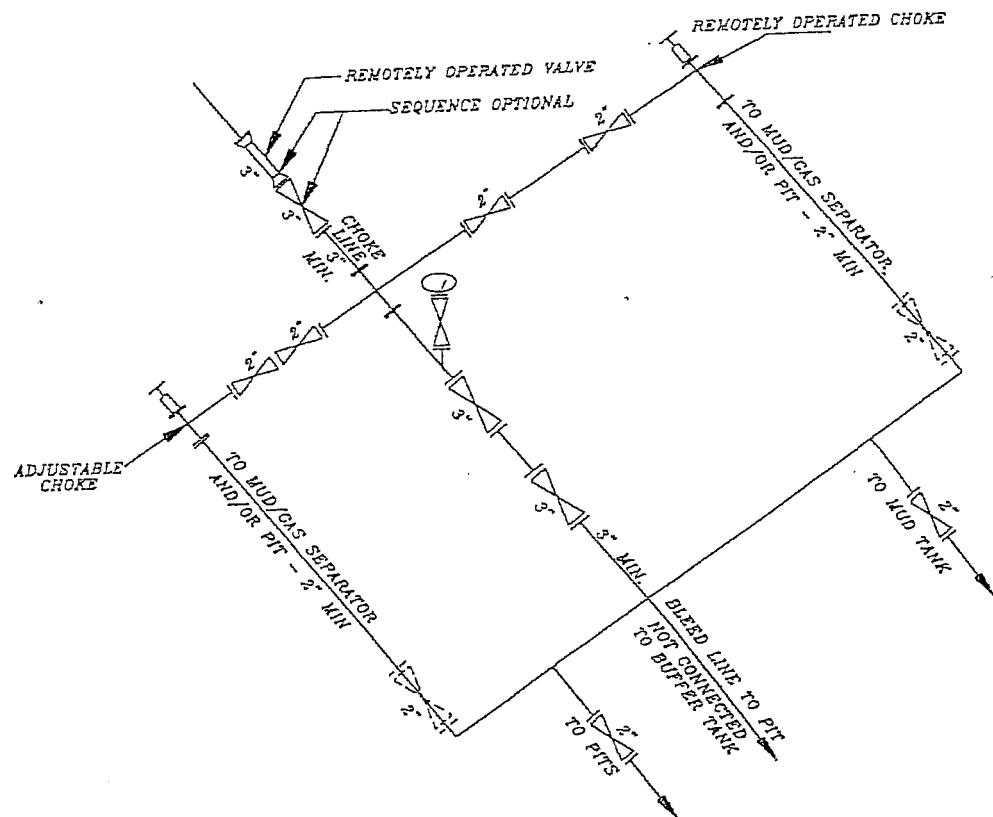
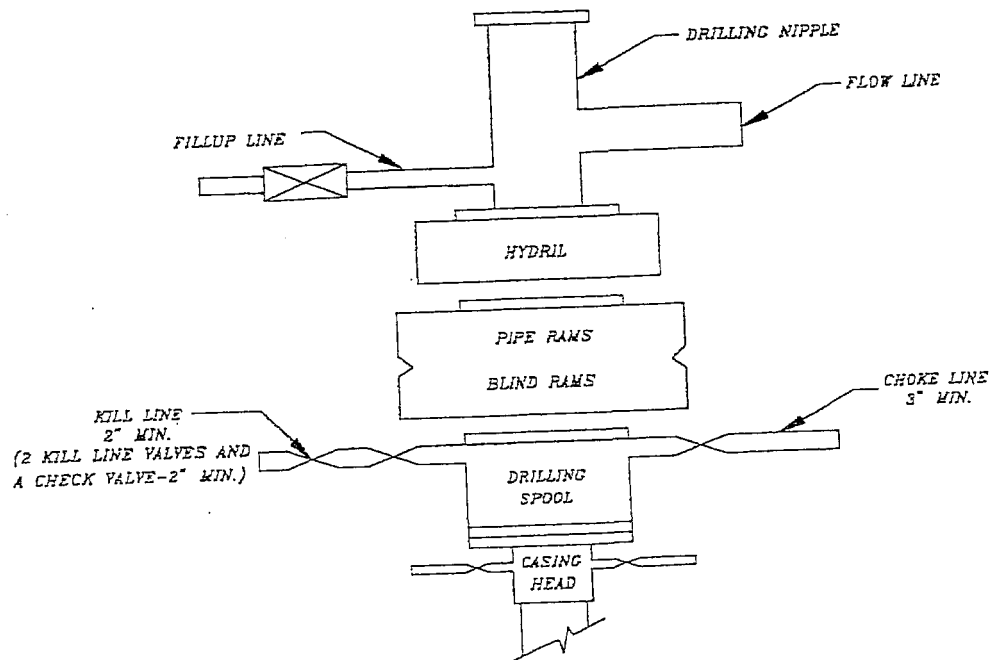
DRILLING ENGINEER: _____
Brad Laney

DATE: _____

DRILLING SUPERINTENDENT: _____
Randy Bayne

DATE: _____

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**BITTER CREEK 1122-5C
NE/NE SEC. 5, T11S, R22E
UINTAH COUNTY, UTAH
UTU-71417**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.2 +/- miles of access road is proposed. Refer to Topo Map B for the access road.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities & Pipelines:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Variances to Best Management Practices (BMP) Requests:

Approximately 2400' +/- of 4" steel pipeline shall be installed from the proposed. Refer to Topo Map D.

The pipeline will be butt-welded together. The pipeline shall be installed on surface within access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for drilled seeds are:

Fourwing Saltbrush	4 lbs.
Black Sagebrush	8 lbs

The operator shall call BLM for the seed mixture when final reclamation occurs.

11. Surface Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 781-4400

12. STIPULATIONS:

WILDLIFE STIPULATIONS:

SAGE GROUSE: No drilling or construction from March 1st – June 30th.

13. Other Information:

A Class III Archaeological Survey has been performed the report will be submitted when the report becomes available.

The Paleontological Reconnaissance Survey has been performed will be submitted when report becomes available.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

August 16, 2007
Date

Kerr-McGee Oil & Gas Onshore LP
BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 10.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1122-5B TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED #1122-5B AND THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.50 MILES.

Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-5C

LOCATED IN UINTAH COUNTY, UTAH

SECTION 5, T11S, R22E, S.L.B.&M.

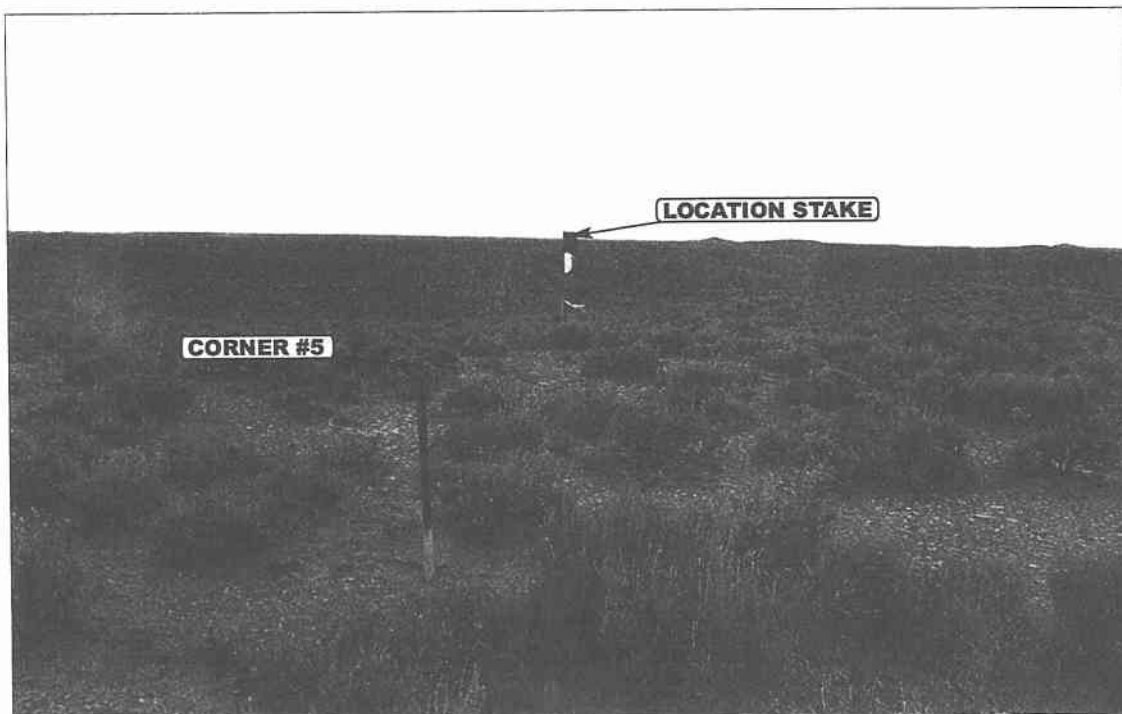


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

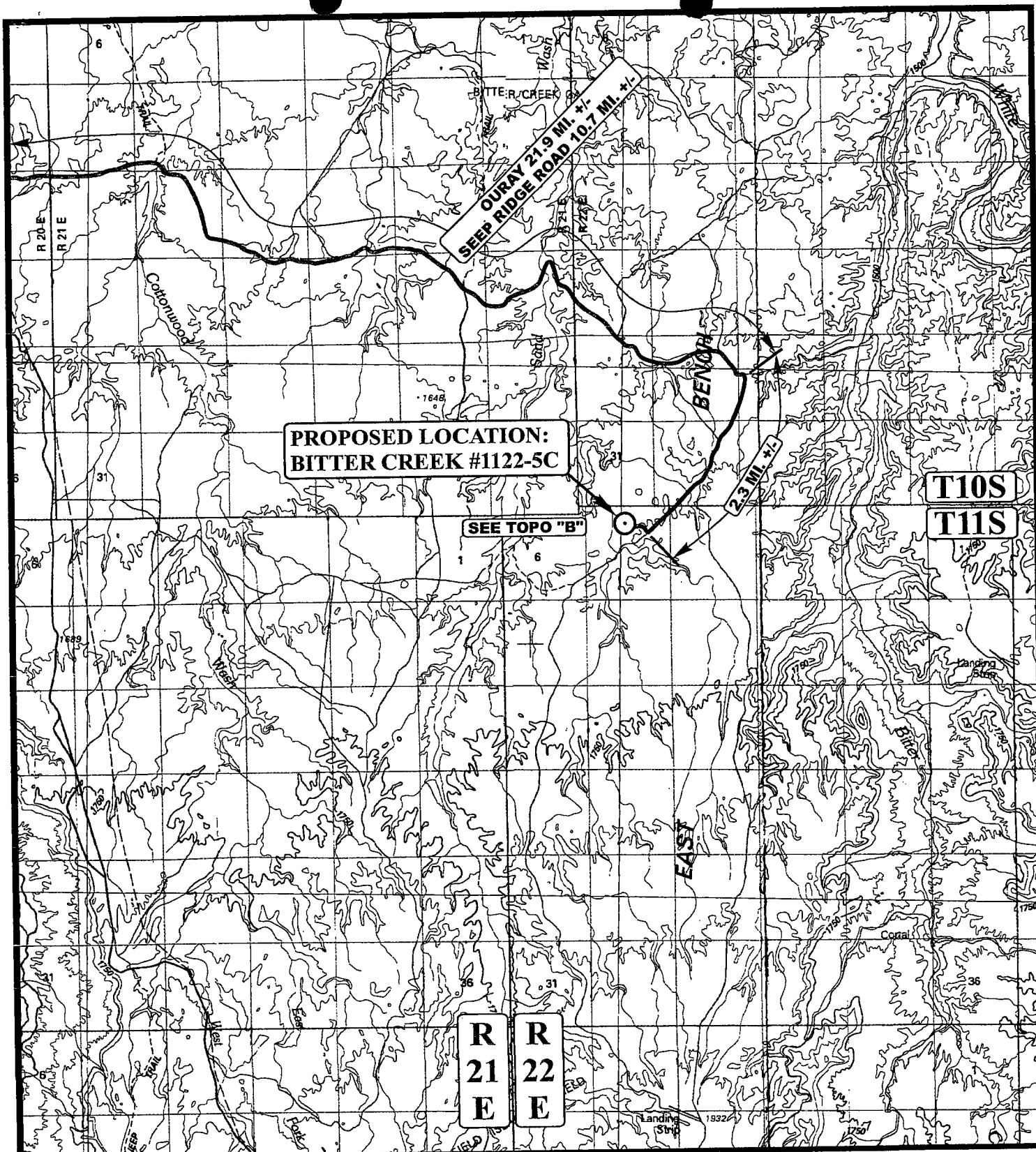
05 23 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

⊙ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.
1070' FNL 2489' FWL



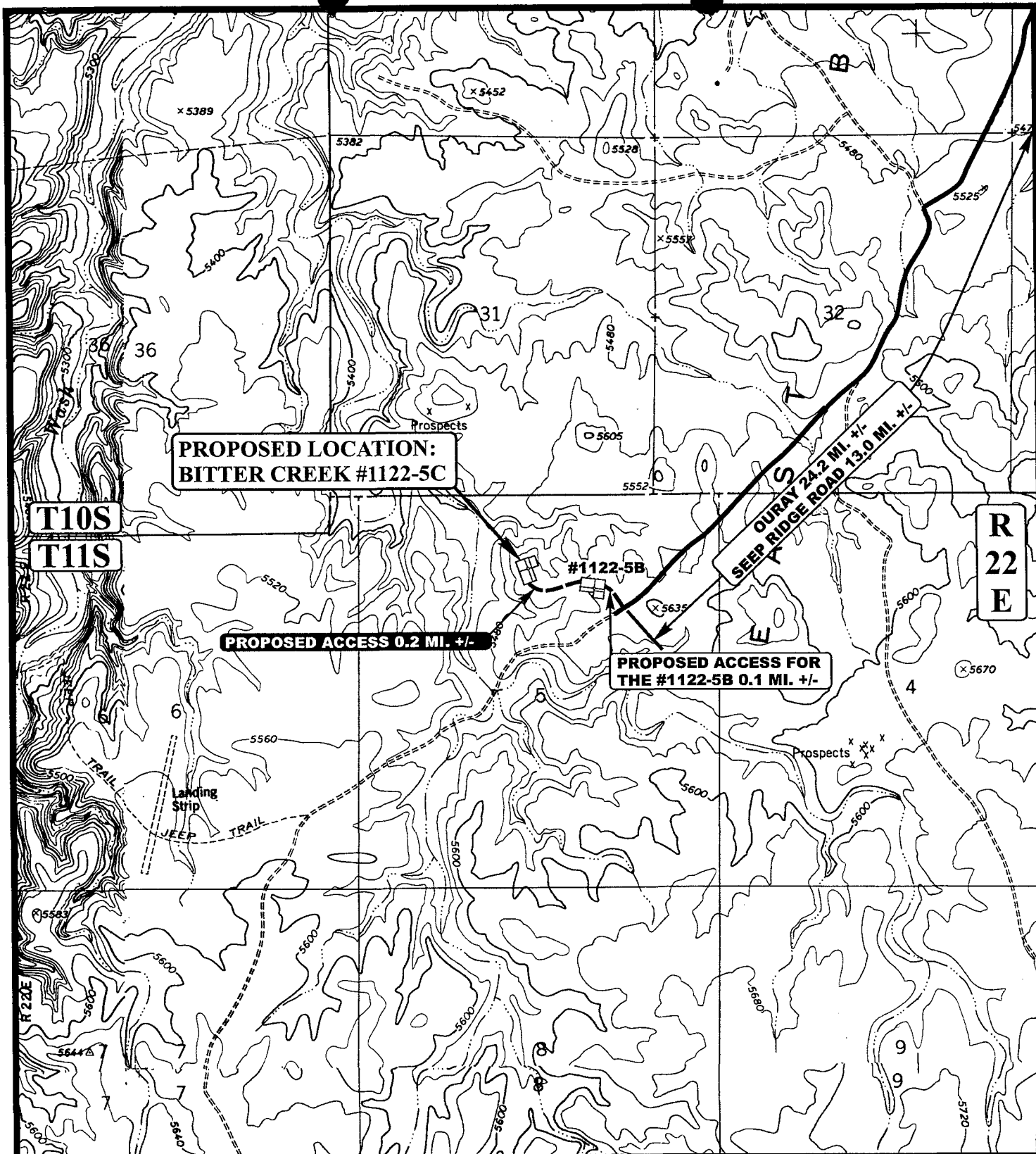
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

05 **23** **07**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





LEGEND:

EXISTING ROAD
 PROPOSED ACCESS ROAD



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



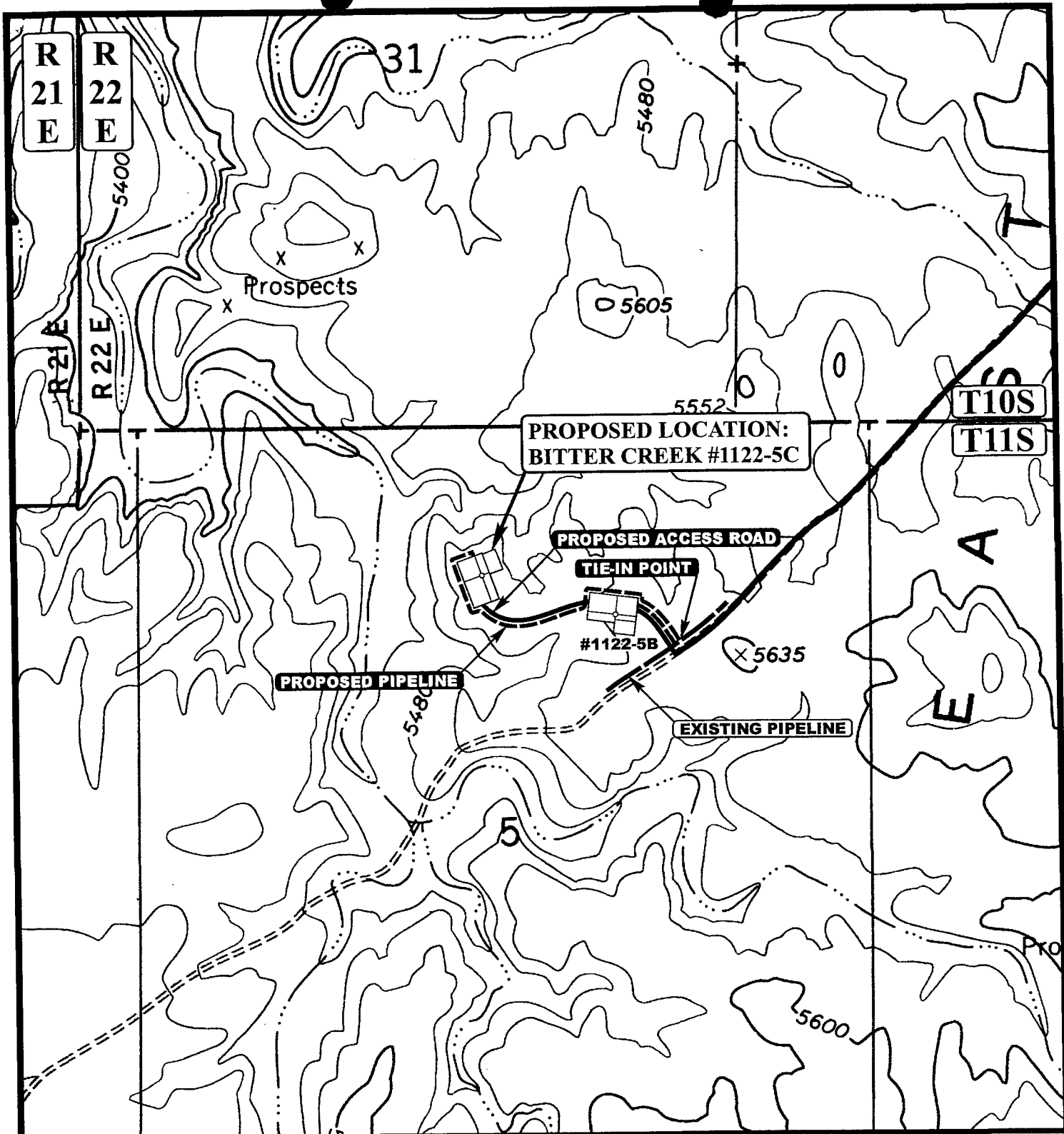
Kerr-McGee Oil & Gas Onshore LP
BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.
1070' FNL 2489' FWL

TOPOGRAPHIC
MAP

05 **23** **07**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00

B
 TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,400' +/-

LEGEND:

- ===== PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.
1070' FNL 2489' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 05 23 07
MAP MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 07-05-07



Kerr-McGee Oil & Gas Onshore LP
BITTER CREEK #1122-5C
PIPELINE ALIGNMENT
LOCATED IN UTAH COUNTY, UTAH
SECTION 5, T11S, R22E, S.L.B.&M.

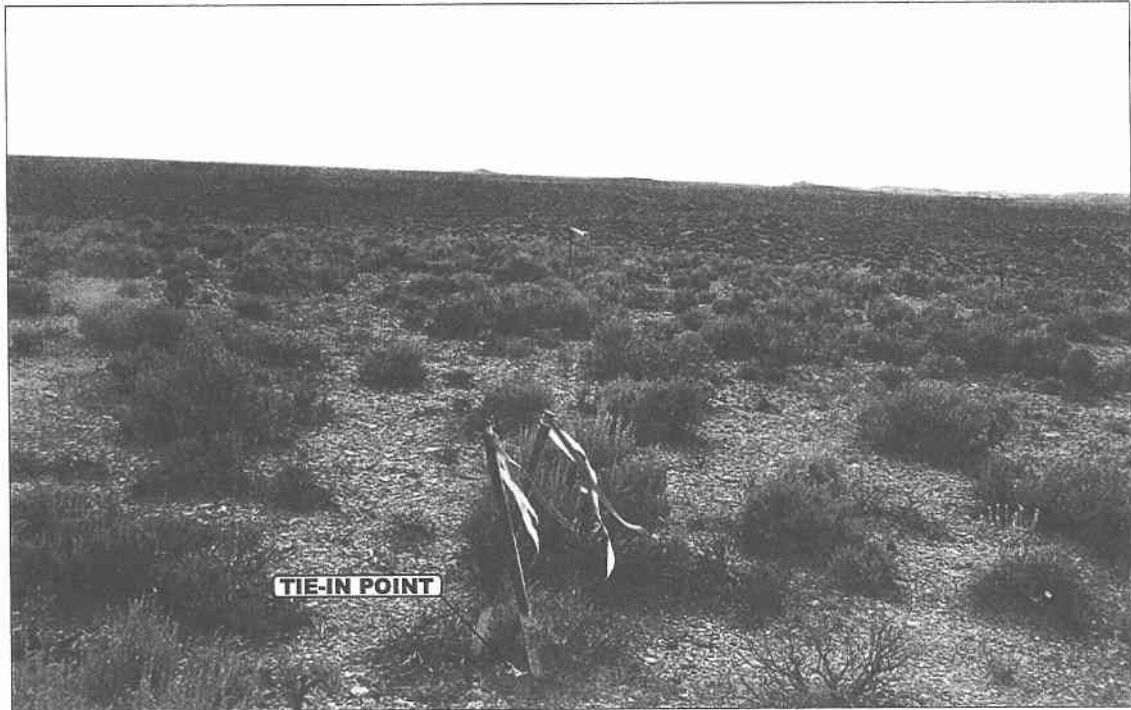


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY

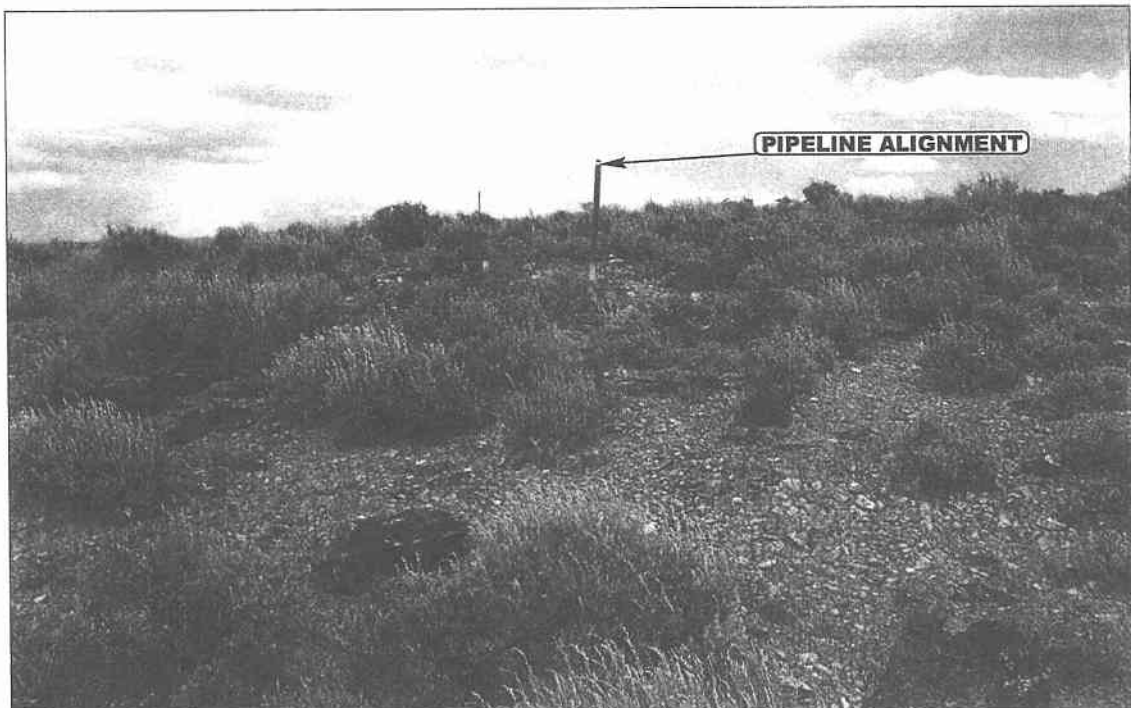


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: EASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

05 23 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

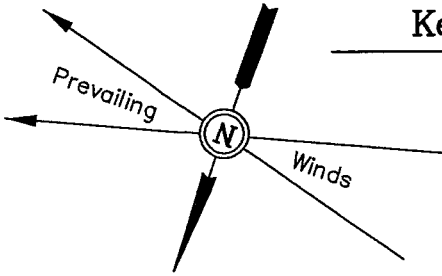
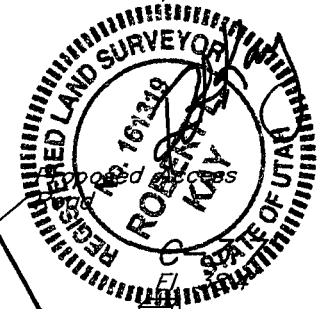
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.
1070' FNL 2489' FWL



SCALE: 1" = 50'
DATE: 06-04-07
Drawn By: L.K.

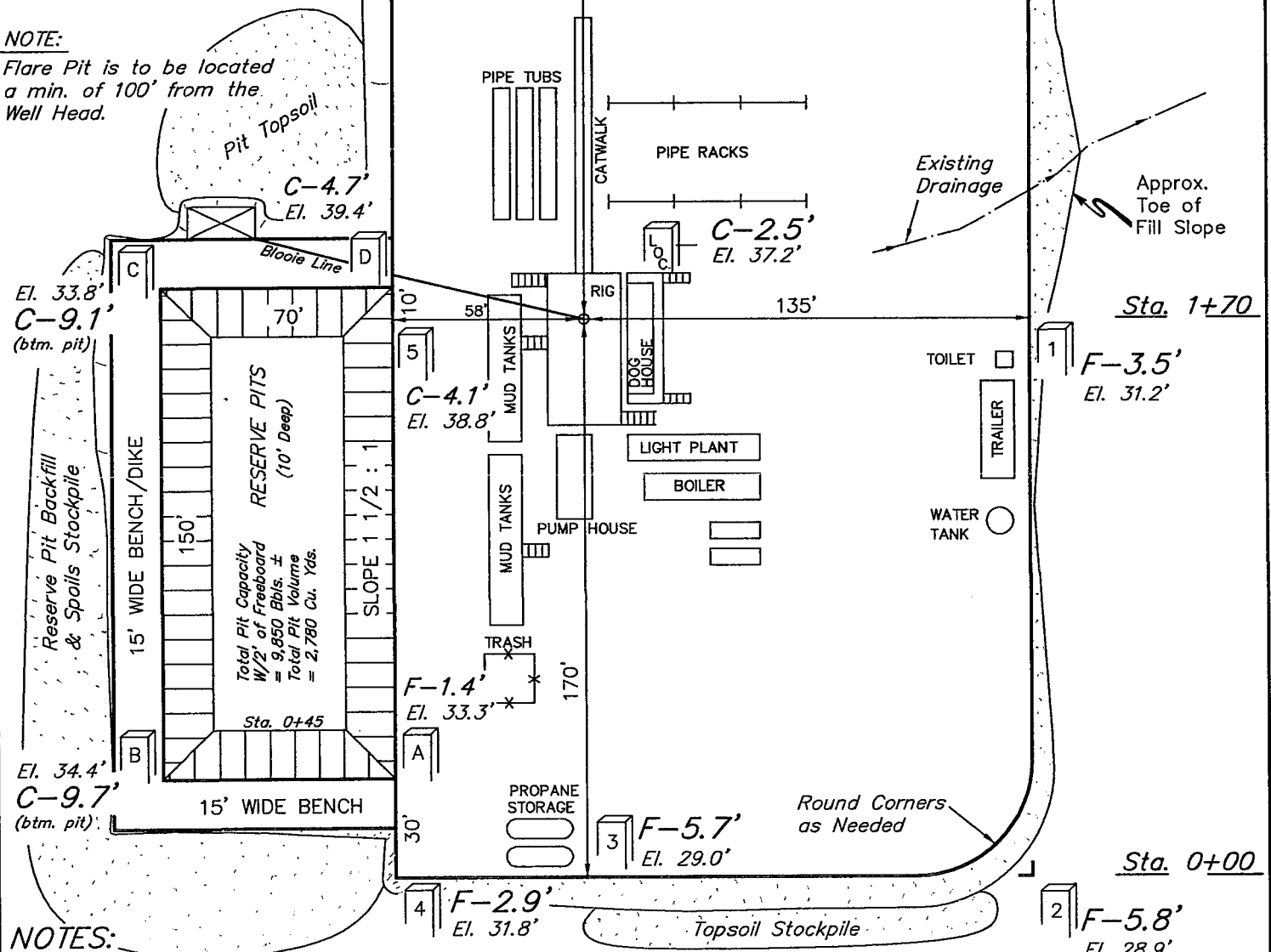
C-8.2'
El. 42.9'

Approx.
Top of
Cut Slope

Sta. 3+50

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

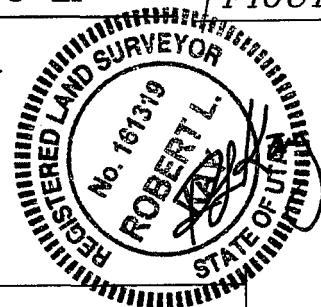
Elev. Ungraded Ground At Loc. Stake = 5537.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5534.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

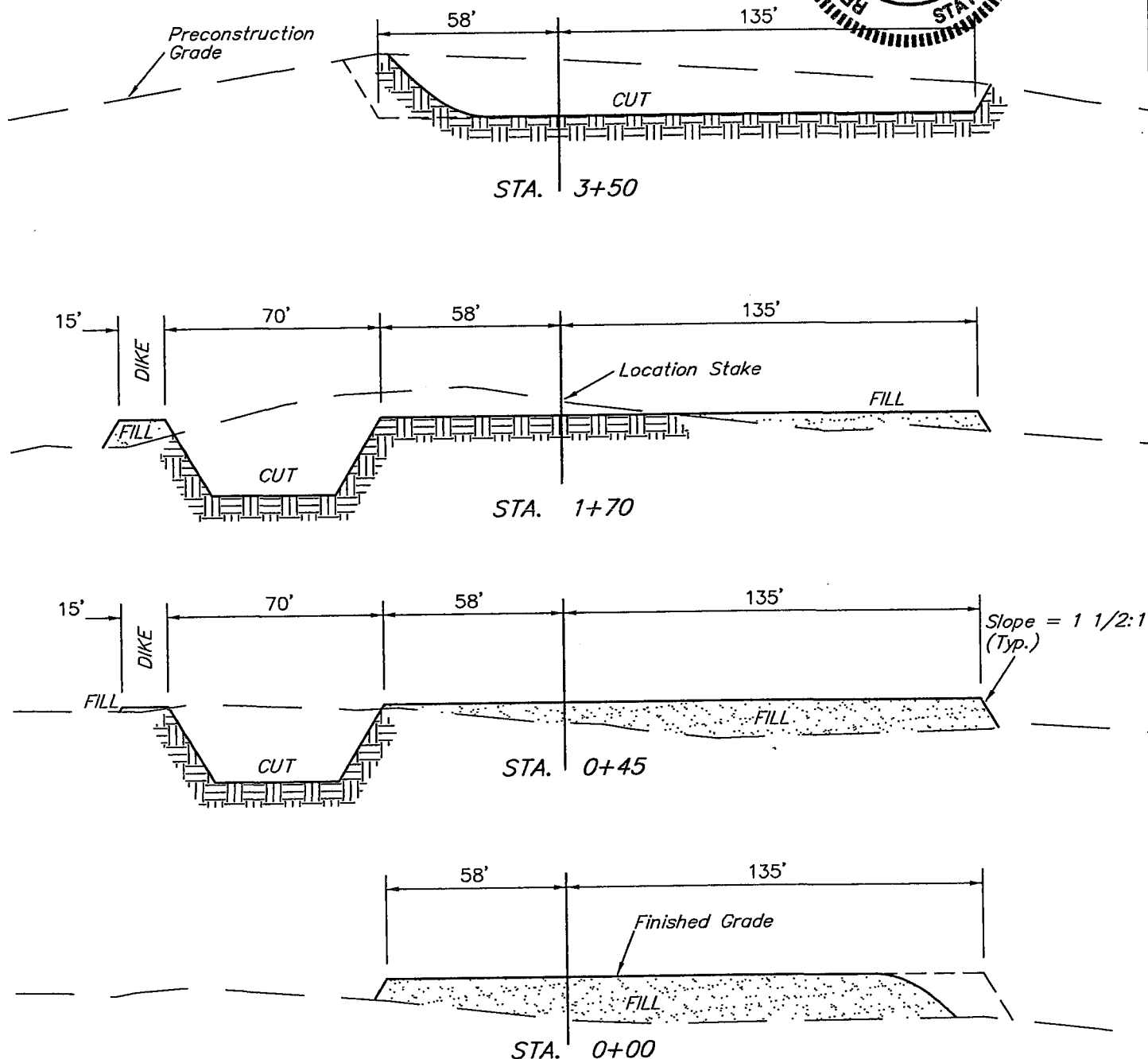
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR
BITTER CREEK #1122-5C
SECTION 5, T11S, R22E, S.L.B.&M.
1070' FNL 2489' FWL



1" = 20'
X-Section
Scale
1" = 50'
DATE: 06-04-07
Drawn By: L.K.



APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,730 Cu. Yds.
Remaining Location = 6,850 Cu. Yds.
TOTAL CUT = 8,580 CU.YDS.
FILL = 5,460 CU.YDS.

EXCESS MATERIAL = 3,120 Cu. Yds.
Topsoil & Pit Backfill = 3,120 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/20/2007

API NO. ASSIGNED: 43-047-39562

WELL NAME: BITTER CREEK 1122-5C

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NENW 05 110S 220E

SURFACE: 1070 FNL 2489 FWL

BOTTOM: 1070 FNL 2489 FWL

COUNTY: Uintah

LATITUDE: 39.89520 LONGITUDE: -109.4788

UTM SURF EASTINGS: 630058 NORTHINGS: 4417023

FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-71417

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: _____

___ R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 210-04

Eff Date: 4-12-04

Siting: 460' for drilling & 920' for other wells.

___ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Federal Approval

NATURAL BUTTES FIELD

T10S R22E

T11S R22E

BITTER CREEK
1122-6H *BITTER CREEK
1122-5C *BITTER CREEK
1122-5B *BITTER CREEK
1122-5A *BITTER CREEK
1122-4D *BITTER CREEK
1122-5G *BITTER CREEK
1122-5H *BITTER CREEK
1122-5E *BITTER CREEK
1122-6I *BITTER CREEK
1122-5L *

CAUSE: 210-04 / 4-14-2004

BITTER CREEK
1122-6P *BITTER CREEK
1122-5M *

OPERATOR: KERR MCGEE O&G (N2995)

SEC: 5 T.11S R. 22E

FIELD: UNDESIGNATED (002)

COUNTY: UTAH

CAUSE: 210-04 / 4-14-2004

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 23-AUGUST-2007



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

August 27, 2007

Kerr McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

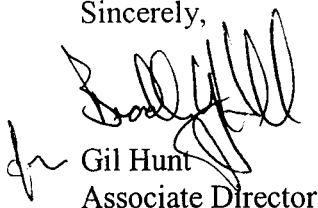
Re: Bitter Creek 1122-5C Well, 1070' FNL, 2489' FWL, NE NW, Sec. 5, T. 11 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39562.

Sincerely,


Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office



Operator: Kerr McGee Oil & Gas Onshore LP

Well Name & Number Bitter Creek 1122-5C

API Number: 43-047-39562

Lease: UTU-71417

Location: NE NW **Sec.** 5 **T.** 11 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

43-047-39562

September 21, 2007

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-61

Dear Mrs. Mason,

Enclosed is a copy of the Exception Location letter for the BITTER CREEK 1122-5C well that was requested by Matt Baker at the BLM's Vernal office as well as Robert L. Bayless, Producer LLC's executed consent to exception location. Bayless is the only direct or diagonal offset owner for this drilling unit. This exception location letter was requested as this well location is a topographic exception to the State's Bitter Creek Order 210-04.

Please feel free to call me at 720-929-6698 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'James C. Colligan III'.

James C. Colligan III
Landman

RECEIVED

SEP 25 2007

DIV. OF OIL, GAS & MINING



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

September 21, 2007

Matt Baker
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

RE: Bitter Creek 1122-5C
T11S-R22E
Section 5: NENW
1,070' FNL, 2,489' FWL
Uintah County, Utah

Dear Mr. Baker:

Kerr-McGee Oil & Gas Onshore LP has submitted a permit to drill the captioned well to test the Wasatch and Mesaverde formations. The well is located at an exception location to State Order Bitter Creek 210-04. The well location was moved for topographic reasons. Kerr-McGee and Robert L. Bayless, Producer LLC own 100% of the leasehold within 460 feet of the exception location. Bayless' consent letter is also enclosed.

Kerr-McGee requests your approval of this exception location. If you have any questions, call me at 720-929-6698. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'James C. Colligan III'.

James C. Colligan III
Landman

cc: Chris Latimer

RECEIVED
SEP 25 2007
DIV. OF OIL, GAS & MINING



Robert L. Bayless, Producer LLC

Post Office Box 168
368 New Mexico Highway 170
Farmington, New Mexico 87499
505-326-2659
Fax 505-326-6911

621 Seventeenth Street, Suite 2300
Denver, Colorado 80293
303-296-9900
Fax 303-296-0753



September 18, 2007

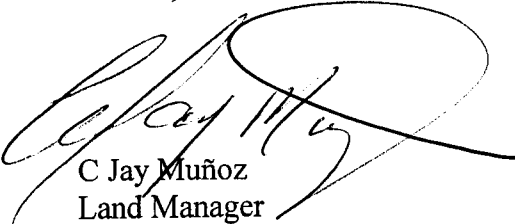
James Colligan
Kerr-McGee 1999 Broadway Suite
Denver, Colorado 80205

Dear Beau,

Here is the request for consent to exception location on the Bitter Creek 1122-5C well.

Let me know if you need something additional from us.

Thanks,



C Jay Muñoz
Land Manager

Enclosures



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

September 6, 2007

Robert L. Bayless, Producer LLC
C. Jay Turner
621 17th Street, Suite 2300
Denver, CO 80293

Re: Request for Consent to Exception Well Location
BITTER CREEK 1122-5C Well
Township 11 South, Range 22 East
Section 5: NENW
1,070' FNL, 2,489' FWL
Uintah County, Utah

Dear Mrs. Turner:

Kerr-McGee Oil & Gas Onshore LP has staked and proposes to drill the Bitter Creek 1122-5C well, an 8,900' Wasatch/Mesaverde formation test, located 1,070' FNL, 2,489' FWL (NENW) of Section 5-T11S-R22E, SLM, Uintah County, Utah. Enclosed is a copy of the survey plat along with a copy of a topo map depicting the proposed location of the subject well.

The State of Utah Board of Oil, Gas and Mining's Order in Bitter Creek 210-04 established 54.78-acre drilling unit in Lots 3 and 6 for the development and production of gas and associated hydrocarbons from the Wasatch/Mesaverde formation and prescribes that the location of the permitted well in each drilling unit shall not be less than 460' from the exterior boundary of such drilling unit.

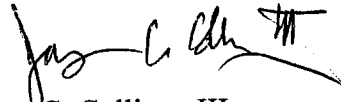
Since the location of the subject well is not in compliance with this well siting order, Kerr-McGee Oil & Gas Onshore LP will request the Bureau of Land Management's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. This rule requires Kerr-McGee Oil & Gas Onshore LP to obtain written consent from all owners of directly or diagonally offsetting drilling units.

If Robert L. Bayless, Producer LLC has no objections to Kerr-McGee Oil & Gas Onshore LP's drilling the subject well at the above-described exception location, Kerr-McGee Oil & Gas Onshore LP respectfully requests you indicate your approval by executing in the space provided below and returning two (2) originally executed copies to my attention.

If you have any questions or require any additional information, please do not hesitate to call the undersigned at 720-929-6698.

Sincerely,

Kerr-McGee Oil & Gas Onshore LP



James C. Colligan III
Landman

Robert L. Bayless, Producer LLC consents to the above described exception location this

18th day of September, 2007.

By: _____

Name: _____

Title: _____

George F. Coryell
GEORGE F. CORYELL
GEOLOGIST

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71417
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779 PHONE NUMBER: (720) 929-6226		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1070' FNL & 2489' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 5 11S 22E		8. WELL NAME and NUMBER: Bitter Creek 1122-5C
		9. API NUMBER: 4304739562
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field
		COUNTY: Uintah
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests a one year extension of this APD in order to complete drilling operations. Utah Division of Oil, Gas, and Mining initially approved this APD on August 27, 2007.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 08-12-08
By: [Signature]

COPY SENT TO OPERATOR

Date: 8-14-2008
Initials: KS

NAME (PLEASE PRINT) <u>Kevin McIntyre</u>	TITLE <u>Regulatory Analyst I</u>
SIGNATURE <u>[Signature]</u>	DATE <u>8/11/2008</u>

(This space for State use only)

RECEIVED

AUG 12 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739562
Well Name: Bitter Creek 1122-5C
Location: NENW 1070' FNL & 2489' FWL, Sec. 5, T 11S, R 22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 8/27/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

8/11/2008
Date

Title: Regulatory Analyst I

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED

AUG 12 2008

DIV. OF OIL, GAS & MINING

RECEIVED
VERNAL FIELD OFFICE

Form 3160-3
(August 1999)

2007 AUG 16 PM 3:35

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-71417
6. If Indian, Allottee or Tribe Name
7. If Unit or CA Agreement, Name and No.
8. Lease Name and Well No. BITTER CREEK 1122-5C
9. API Well No. 43 047 39562
10. Field and Pool, or Exploratory UNDESIGNATED
11. Sec., T., R., M., or Blk. and Survey or Area LOT 6, SEC. 5, T11S, R22E
12. County or Parish UINTAH
13. State UTAH

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3A. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **NE/NW 1070'FNL, 2489'FWL**
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*
37.5 +/- MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1070'

16. No. of Acres in lease
1520.00

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft

REFER TO
TOPO C

19. Proposed Depth
8480'

20. BLM/BIA Bond No. on file
BOND NO. WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5535'GL

22. Approximate date work will start*

23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature
Sheila Upchego
Date
SENIOR LAND ADMIN SPECIALIST

Name (Printed/Typed)
SHEILA UPCHEGO

Date
8/16/2007

Approved by (Signature)
Jerry Kevorka
Title
**Assistant Field Manager
Lands & Mineral Resources**

Name (Printed/Typed)
JERRY KEVORKA

Office
VERNAL FIELD OFFICE

Date
AUG 08 2008

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

AUG 21 2008

DIV. OF OIL, GAS & MINING

UDDGM

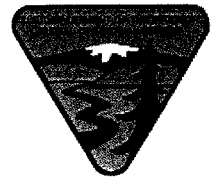
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nos 6/27/07



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP Location: NENW Lot 6, Sec 5 T11S, R22E
Well No: Bitter Creek 1122-5C Lease No: UTU-71417
API No: 43-047-39562 Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access roads will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- All secondary drainages shall be rerouted around the location, as needed.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 16 ml or greater liner and doubled felted prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

Galleta grass	Hilaria jamesii	10lbs/acre
Indian rice grass	Oryzopsis hymenoides	10lbs/acre
Needle & Thread grass	Stipa comata	10lbs/acre

All pounds are in pure live seed.

- Rates are set for drill seeding; double the rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds following the operator submitted PUP plan provided the BLM before this project construction begins.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit and posted/marked topsoil. When the reserve pit is closed, it shall be contoured and the topsoil spread, and the area shall be seeded in the same manner as the location topsoil to comply with natural topography.
- Once the location is plugged and abandoned, it shall be contoured to natural topography, topsoil shall be spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. Seeding guidelines will be provided by the BLM to the operator with prescribed seeding recommendations.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- The habitat will be protected (no or little development) within 2 miles (3.2 km) of active leks.
 - a. All human disturbances will be minimized within sight or 0.3 mile (0.5 km) of active leks during breeding season during early morning or evening when birds are likely to be found on the leks; and
 - b. Avoid constructing above ground powerlines, or other tall structures within 2 miles of seasonal habitat.
- Well pads will be located out of the line of sight/hearing at the leks by considering topographical or vegetative screening features as well as centralized tank batteries, use of low profile tanks, and pointing exhaust from heater-treater to the north and northeast at proposed locations.

- a. Proper placement of well locations can reduce the impact out of hearing >10 dBA above natural ambient noise.
- Construction, drilling, completion and workover activities will not be allowed within two miles of active leks from March 1 through June 15.
 - Other structures such as fences, poles, utilities, will not be constructed within the two mile buffer of active leks, unless the proposed project is reviewed by BLM and UDWR and a waiver issued for this measure on an approved design.
 - Operational activities (trucks driving to well locations, well, road, pipeline surveys, pipeline maintenance etc.) will be minimized March 1 through June 15 one hour prior to sunrise to three hours after sunrise.
 - No construction, drilling, completion activities will be allowed from May 15-June 20 to help protect pronghorn kidding in the area.
 - Golden eagle nesting a timing restriction from February 1 through July 30 will be applied to the following well locations:
 - Bitter Creek Well 1121 6K Location NESW Section 6, T 11 S R22 E.
 - Bitter Creek Well 1121 6E Location SWNW Section 6, T 11 S R22 E.
 - Bitter Creek Well 1121 6D Location NWNW Section 6, T 11 S R22 E.
 - Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth

(from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739562	BITTER CREEK 1122-5C		NENW	5	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>A</u>	99999	<u>17242</u>	12/9/2008			<u>12/16/08</u>	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>W5MVD</u> SPUD WELL LOCATION ON 12/09/2008 AT 1030 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

12/9/2008

Date

RECEIVED

DEC 09 2008

(5/2000)

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
UTU71417

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
BITTER CREEK 1122-5C

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE

Contact: SHEILA UPCHEGO

Email: sheila.upchego@anadarko.com

9. API Well No.

43-047-39562

3a. Address

1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)

Ph: 435-781-7024

10. Field and Pool, or Exploratory
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T11S R22E NENW 1070FNL 2489FWL

11. County or Parish, and State

UINTAH, COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well Spud
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT
W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/09/2008 AT 1030 HRS.

RECEIVED**DEC 18 2008****DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #65397 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature

Date 12/09/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
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UTU71417

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
BITTER CREEK 1122-5C

2. Name of Operator

KERR-MCGEE OIL & GAS ONSHORE L

Contact: SHEILA UPCHEGO

Email: sheila.upchego@anadarko.com

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Sec 5 T11S R22E NENW 1070FNL 2489FWL

11. County or Parish, and State

UINTAH COUNTY, UT

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TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 12/16/2008. DRILLED 12 1/4" SURFACE HOLE TO 1870'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/160 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DISPLACE CSG 138.5 BBLs OF H2O & 38.5 BBLs OF CMT TO SURFACE. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #65776 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature

(Electronic Signature)

Date 12/22/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

DEC 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU71417
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. BITTER CREEK 1122-5C
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T11S R22E NENW 1070FNL 2489FWL		9. API Well No. 43-047-39562
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State UINTAH COUNTY, UT

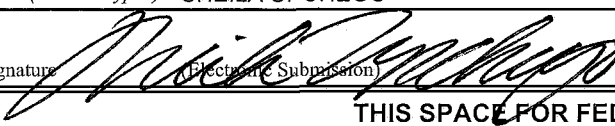
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 1870' TO 8569' ON 01/03/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/315 SX PREM LITE II @11.3 PPG 3.02 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/132 BBLs CLAYTREAT WATER BUMP PLUG @3300 PSI FLOATS HELD 12 BBLs CMT BACK TO PIT. ATTEMPT TO INSTALL HANGER PACKING WOULD NOT SET. NIPPLE DOWN CLEAN PITS.

RELEASED PIONEER RIG 69 ON 01/05/2009 AT 1300 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #66107 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 01/07/2009
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By _____	Title _____ Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

JAN 12 2009

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU71417
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. BITTER CREEK 1122-5C
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T11S R22E NENW 1070FNL 2489FWL		9. API Well No. 43-047-39562
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Subsurface Commingling
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion of recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE SUBJECT WELL LOCATION. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS. THIS IS A NEW WELL COMPLETION.

PLEASE REFER TO THE ATTACHED COMPLETION PROCEDURE.

COPY SENT TO OPERATOR

Date: 2.24.2009

Initials: KS

14. I hereby certify that the foregoing is true and correct. Electronic Submission #66428 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature <i>[Signature]</i> (Electronic Submission)	Date 01/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title Pet. Eng. I	Date 2/11/09
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Federal Approval Of This Action Is Necessary
Office <i>[Signature]</i>		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

* Cause 210-04

RECEIVED

JAN 22 2009

DIV. OF OIL, GAS & MINING

Name: Bitter Creek 1122-5C
Location: NENW-Section 5-T11S-R22E
Uintah County, UT
Date: January 16, 2009

ELEVATIONS: 5535' GL 5553' KB

TOTAL DEPTH: 8564' **PBTD:** 8519'
SURFACE CASING: 9 5/8", 32.3# H-40 & 36# J-55 ST&C @ 1859'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8564'
Marker Joint 3947'-3964'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

937' Green River
1223' Birds Nest
1643' Mahogany
3996' Wasatch
6432' Mesa Verde

Estimated T.O.C. from CBL@ (not ran yet)

GENERAL:

- A minimum of **25** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Baker's Induction-Density-Neutron log dated 1/4/2009.
- **6** fracturing stages required for coverage.
- Procedure calls for 6 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.

- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump 20/40 mesh **resin coated sand** last 5,000# of all frac stages

PROCEDURE:

1. MIRU. NU and test BOP. RIH 3 7/8" mill and clean out to PBTD @ ~ 8519' if possible, or to 8119' at a minimum. Circulate hole clean with recycled water. POOH. Run CBL (if needed). Pressure test BOP and casing to 6200 psi.
2. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8062	8070	3	24
MESAVERDE	8084	8089	4	20
3. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8012' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
4. Set 8000 psi CBP at ~8000'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7874	7878	3	12
MESAVERDE	7914	7916	3	6
MESAVERDE	7935	7937	3	6
MESAVERDE	7965	7970	4	20
5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7824' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
6. Set 8000 psi CBP at ~7752'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7687	7697	3	30
MESAVERDE	7718	7722	3	12
7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7637' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: Stage is pumped at a reduced rate.
8. Set 8000 psi CBP at ~7340'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	7255	7265	3	30
MESAVERDE	7307	7310	4	12
9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7205' and trickle 250gal 15%HCL w/ scale inhibitor in flush. Note: Stage is pumped at a reduced rate.
10. Set 8000 psi CBP at ~5814'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5750	5758	4	32

WASATCH 5782 5784 4 8

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5700' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
12. Set 8000 psi CBP at ~5604'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5560	5574	3	42
13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5510' and flush only with recycled water.
14. Set 8000 psi CBP at ~5510'.
15. TIH with 3 7/8" bit, pump off sub, SN and tubing.
16. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±7844' unless indicated otherwise by the well's behavior.
17. RDMO.

For design questions, please call
David Cocciolone, Denver, CO
(832)-453-2043 (Cell)
(720)-929-6716 (Office)

For field implementation questions, please call
Robert Miller, Vernal, UT
4350781 7041 (Office)

Completion Engineer _____
David Cocciolone

Approving Manager _____
Rebecca Johnson

NOTES:
Expected IP of 1.5 MMCFD.

Commingle well as per Bitter Creek program. Lot's of opportunities to make water - tried to avoid.

Bitter Creek 1122-5C
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8062	8070	3	24	8020	to	8021
	MESAVERDE	8084	8089	4	20	8022	to	8023
	MESAVERDE		No Perfs			8030	to	8034
	MESAVERDE		No Perfs			8042	to	8043
	MESAVERDE		No Perfs			8045	to	8077
	MESAVERDE		No Perfs			8080	to	8091
	MESAVERDE		No Perfs			8092	to	8097
	MESAVERDE		No Perfs			8102	to	8120
	MESAVERDE		No Perfs			8134	to	8135
	MESAVERDE		No Perfs			8136	to	8145
	MESAVERDE		No Perfs			8148	to	8149
	MESAVERDE		No Perfs			8150	to	8153
	# of Perfs/stage				44	CBP DEPTH	8,000	
2	MESAVERDE	7874	7878	3	12	7852	to	7853
	MESAVERDE	7914	7916	3	6	7854	to	7868
	MESAVERDE	7935	7937	3	6	7870	to	7880
	MESAVERDE	7965	7970	4	20	7887	to	7899
	MESAVERDE		No Perfs			7901	to	7919
	MESAVERDE		No Perfs			7924	to	7925
	MESAVERDE		No Perfs			7929	to	7940
	MESAVERDE		No Perfs			7944	to	7946
	MESAVERDE		No Perfs			7950	to	7950
	MESAVERDE		No Perfs			7962	to	7963
	MESAVERDE		No Perfs			7964	to	7973
	MESAVERDE		No Perfs			7975	to	7976
	MESAVERDE		No Perfs			7980	to	7980
	MESAVERDE		No Perfs			7985	to	7985
	MESAVERDE		No Perfs			7992	to	7994
	MESAVERDE		No Perfs			8004	to	8005
	# of Perfs/stage				44	CBP DEPTH	7,752	
3	MESAVERDE	7687	7687	3	30	7668	to	7668
	MESAVERDE	7718	7722	3	12	7686	to	7698
	MESAVERDE		No Perfs			7703	to	7705
	MESAVERDE		No Perfs			7708	to	7708
	MESAVERDE		No Perfs			7716	to	7728
	# of Perfs/stage				42	CBP DEPTH	7,340	
4	MESAVERDE	7255	7265	3	30	7218	to	7222
	MESAVERDE	7307	7310	4	12	7248	to	7253
	MESAVERDE		No Perfs			7255	to	7268
	MESAVERDE		No Perfs			7270	to	7275
	# of Perfs/stage				42	CBP DEPTH	5,814	
5	WASATCH	5750	5758	4	32	5704	to	5704
	WASATCH	5782	5784	4	8	5732	to	5732
	WASATCH		No Perfs			5744	to	5744
	WASATCH		No Perfs			5752	to	5759
	WASATCH		No Perfs			5765	to	5766
	WASATCH		No Perfs			5771	to	5771
	WASATCH		No Perfs			5782	to	5787
	WASATCH		No Perfs			5810	to	5810
	WASATCH		No Perfs			5812	to	5813
	WASATCH		No Perfs			5821	to	5824
	WASATCH		No Perfs			5829	to	5829
	WASATCH		No Perfs			5831	to	5831
	# of Perfs/stage				40	CBP DEPTH	5,604	
6	WASATCH	5560	5574	3	42	5481	to	5482
	WASATCH		No Perfs			5485	to	5485
	WASATCH		No Perfs			5487	to	5488
	WASATCH		No Perfs			5494	to	5495
	WASATCH		No Perfs			5504	to	5504
	WASATCH		No Perfs			5508	to	5510
	WASATCH		No Perfs			5514	to	5515
	WASATCH		No Perfs			5518	to	5518
	WASATCH		No Perfs			5538	to	5539
	WASATCH		No Perfs			5554	to	5579
	WASATCH		No Perfs			5616	to	5619
	# of Perfs/stage				42	CBP DEPTH	5,510	
Totals					254			

Fracturing Schedule
Bitter Creek 1122-6C
Slickwater Frac

Stage	Zone	Pay		Feet	Perfs		SPF	Holes	Rate	Fluid	Initial PPG	Final PPG	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.		
		Top, ft.	Bot, ft.		Top, ft.	Bot, ft.																	
1	MESAVERDE	8020	8021	1	8052	8070	3	24	Varied	Pump-in test			Slickwater	0	0								
	MESAVERDE	8022	8023	1	8084	8089	4	20	0	ISIP and 5 min ISIP			Slickwater										
	MESAVERDE	8030	8034	4	No Perfs				50	Slickwater Pad			Slickwater	364	364	15.0%	0.0%	0	0		52		
	MESAVERDE	8042	8043	1	No Perfs				50	Slickwater Ramp	0.25	1	Slickwater	688	1,052	29.3%	16.8%	18,063	18,063		43		
	MESAVERDE	8045	8077	32	No Perfs				50	SW Swaps	0	0	Slickwater	0	1,052	29.3%	0.0%	0	18,063		0		
	MESAVERDE	8090	8091	11	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	688	1,740	29.3%	33.5%	36,125	54,188		43		
	MESAVERDE	8092	8097	5	No Perfs				50	SW Swaps	0	0	Slickwater	125	1,865	29.3%	0.0%	0	54,188		0		
	MESAVERDE	8102	8120	18	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	71	1,937	29.3%	2.8%	3,000	57,188		0		
	MESAVERDE	8134	8135	1	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	688	2,554	29.3%	46.9%	50,575	107,763		0		
	MESAVERDE	8138	8145	7	No Perfs				50	Flush (4-1/2")			Slickwater	125	2,678				107,763		62		
	MESAVERDE	8148	8149	1	No Perfs					ISDP and 5 min ISDP											237		
	MESAVERDE	8150	8153	3	No Perfs																		
Ft of Net Pay										85	# of Perfs/stage		44	Flush depth		8012	gal/ft		1,200	1,288	lbs sand/ft	12	
CBP depth										8,000													
2	MESAVERDE	7652	7653	1	7074	7070	3	12	Varied	Pump-in test			Slickwater	0	0								
	MESAVERDE	7654	7660	14	7914	7916	3	6	0	ISIP and 5 min ISIP			Slickwater										
	MESAVERDE	7870	7880	10	7935	7937	3	6	50	Slickwater Pad			Slickwater	519	519	15.0%	0.0%	0	0		65		
	MESAVERDE	7907	7909	12	7965	7970	4	20	50	Slickwater Ramp	0.25	1	Slickwater	980	1,499	29.3%	16.9%	25,721	25,721		62		
	MESAVERDE	7901	7919	18	No Perfs				50	SW Swaps	0	0	Slickwater	125	1,624	29.3%	0.0%	0	25,721		8		
	MESAVERDE	7924	7925	1	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	680	2,603	29.3%	39.8%	51,443	77,164		62		
	MESAVERDE	7929	7940	11	No Perfs				50	SW Swaps	0	0	Slickwater	250	2,853	29.3%	0.0%	0	77,164		0		
	MESAVERDE	7944	7946	2	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	71	2,925	29.3%	2.0%	3,000	80,164		0		
	MESAVERDE	7950	7950	0	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	980	3,833	29.3%	47.3%	72,020	152,184		0		
	MESAVERDE	7962	7963	1	No Perfs				50	Flush (4-1/2")			Slickwater	122	3,955				152,184		50		
	MESAVERDE	7964	7973	9	No Perfs					ISDP and 5 min ISDP											247		
	MESAVERDE	7975	7976	1	No Perfs																		
	MESAVERDE	7980	7980	0	No Perfs																		
	MESAVERDE	7985	7985	0	No Perfs																		
	MESAVERDE	7992	7994	2	No Perfs																		
	MESAVERDE	8004	8005	1	No Perfs																		
Ft of Net Pay										83	# of Perfs/stage		44	Flush depth		7824	gal/ft		1,760	1,634	lbs sand/ft	72	
CBP depth										7,752													
3	MESAVERDE	7668	7668	0	7667	7697	3	30	Varied	Pump-in test			Slickwater	0	0								
	MESAVERDE	7668	7698	12	7718	7722	3	12	0	ISIP and 5 min ISIP			Slickwater										
	MESAVERDE	7703	7705	2	No Perfs				40	Slickwater Pad			Slickwater	98	98	15.0%	0.0%	0	0		12		
	MESAVERDE	7708	7708	0	No Perfs				40	Slickwater Ramp	0.25	1	Slickwater	184	282	29.3%	17.2%	4,834	4,834		12		
	MESAVERDE	7716	7726	12	No Perfs				40	SW Swaps	0	0	Slickwater	0	282	29.3%	0.0%	0	4,834		0		
									40	Slickwater Ramp	1	1.5	Slickwater	184	466	29.3%	34.5%	9,068	14,503		12		
									40	SW Swaps	0	0	Slickwater	0	466	29.3%	0.0%	0	14,503		0		
									40	Slickwater Ramp	0.5	1.5	Slickwater	0	466	29.3%	0.0%	0	14,503		0		
									40	Slickwater Ramp	1.5	2	Slickwater	184	650	29.3%	40.3%	13,536	28,039		0		
									40	Flush (4-1/2")			Slickwater	119	769				28,039		48		
										ISDP and 5 min ISDP											63		
Sand laden Volume										Flush depth		7637	gal/ft		1,060	1,078	lbs sand/ft	297					
CBP depth										7,340													
4	MESAVERDE	7218	7222	4	7255	7265	3	30	Varied	Pump-in test			Slickwater	0	0								
	MESAVERDE	7240	7253	5	7307	7310	4	12	0	ISIP and 5 min ISIP			Slickwater										
	MESAVERDE	7255	7269	13	No Perfs				40	Slickwater Pad			Slickwater	98	98	15.0%	0.0%	0	0		12		
	MESAVERDE	7270	7275	5	No Perfs				40	Slickwater Ramp	0.25	1	Slickwater	182	279	29.3%	17.2%	4,781	4,781		11		
	MESAVERDE	7279	7279	0	No Perfs				40	SW Swaps	0	0	Slickwater	0	279	29.3%	0.0%	0	4,781		0		
	MESAVERDE	7287	7297	0	No Perfs				40	Slickwater Ramp	1	1.5	Slickwater	182	461	29.3%	34.5%	9,563	14,344		11		
	MESAVERDE	7302	7303	1	No Perfs				40	SW Swaps	0	0	Slickwater	0	461	29.3%	0.0%	0	14,344		0		
	MESAVERDE	7305	7306	1	No Perfs				40	Slickwater Ramp	0.5	1.5	Slickwater	0	461	29.3%	0.0%	0	14,344		0		
	MESAVERDE	7308	7311	3	No Perfs				40	Slickwater Ramp	1.5	2	Slickwater	182	643	29.3%	40.3%	13,388	27,731		0		
	MESAVERDE	7334	7336	1	No Perfs				40	Flush (4-1/2")			Slickwater	112	755				27,731		38		
	MESAVERDE	7337	7340	3	No Perfs					ISDP and 5 min ISDP											73		
Sand laden Volume										Flush depth		7206	gal/ft		760	770	lbs sand/ft	1,391					
CBP depth										6,814													
5	WASATCH	5704	5704	0	5750	5760	4	32	Varied	Pump-in test			Slickwater	0	0								
	WASATCH	5732	5732	0	5782	5784	4	8	0	ISIP and 5 min ISIP			Slickwater										
	WASATCH	5744	5744	0	No Perfs				50	Slickwater Pad			Slickwater	170	170	15.0%	0.0%	0	0		21		
	WASATCH	5752	5759	7	No Perfs				50	Slickwater Ramp	0.25	1	Slickwater	321	491	29.3%	17.2%	8,429	8,429		20		
	WASATCH	5765	5766	1	No Perfs				50	SW Swaps	0	0	Slickwater	0	491	29.3%	0.0%	0	8,429		0		
	WASATCH	5771	5771	0	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	321	812	29.3%	34.5%	16,858	25,288		20		
	WASATCH	5782	5787	5	No Perfs				50	SW Swaps	0	0	Slickwater	0	812	29.3%	0.0%	0	25,288		0		
	WASATCH	5810	5810	0	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	0	812	29.3%	0.0%	0	25,288		0		
	WASATCH	5812	5813	1	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	321	1,133	29.3%	40.3%	23,602	48,880		0		
	WASATCH	5829	5829	0	No Perfs				50	Flush (4-1/2")			Slickwater	89	1,222				48,880		36		
	WASATCH	5831	5831	0	No Perfs					ISDP and 5 min ISDP											68		
Sand laden Volume										Flush depth		6700	gal/ft		2,800	2,876	lbs sand/ft	96					
CBP depth										5,604													
6	WASATCH	5481	5482	1	5560	5574	3	42	Varied	Pump-in test			Slickwater	0	0								
	WASATCH	5485	5485	0	No Perfs				0	ISIP and 5 min ISIP			Slickwater										
	WASATCH	5487	5488	1	No Perfs				50	Slickwater Pad			Slickwater	231	231	15.0%	0.0%	0	0		29		
	WASATCH	5494	5495	1	No Perfs				50	Slickwater Ramp	0.25	1	Slickwater	437	668	29.3%	16.5%	11,466	11,466		28		
	WASATCH	5504	5504	0	No Perfs				50	SW Swaps	0	0	Slickwater	0	668	29.3%	0.0%	0	11,466		0		
	WASATCH	5506	5510	2	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	437	1,105	29.3%	33.0%	22,923	34,398		28		
	WASATCH	5514	5515	1	No Perfs				50	SW Swaps	0	0	Slickwater	125	1,230	29.3%	0.0%	0	34,398		0		
	WASATCH	5518	5518	0	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	71	1,301	29.3%	4.2%	3,000	37,398		0		
	WASATCH	5536	5539	1	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	437	1,587	29.3%	46.2%	32,105	69,504		0		
	WASATCH	5554	5579	25	No Perfs				50	Flush (4-1/2")			Slickwater	86	1,752				69,504		0		
	WASATCH	5616	5619	3	No Perfs					ISDP and 5 min ISDP											64		
Ft of Net Pay										35	# of Perfs/stage		42	Flush depth		6510	gal/ft		1,860	1,988	lbs sand/ft	9	
CBP depth										6,510													
Totals										202			33.3										
Estimated Total Completion Cost										\$410,066													
36																							622

Stage	Zone	Pay		Feet of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft	Bot., ft		Top, ft	Bot., ft															
1	MESAVERDE	8020	8021	1	8062	8070	3	24	Varied	Pump-in test			Slickwater	0	0						
	MESAVERDE	8022	8023	1	8084	8089	4	20	0	ISIP and 5 min ISIP											
	MESAVERDE	8030	8034	4	No Perfs				50	Slickwater Pad			Slickwater	364	364	15.0%	0.0%	0	0		52
	MESAVERDE	8042	8043	1	No Perfs				50	Slickwater Ramp	0.25	1	Slickwater	688	1,052	28.3%	18.8%	18,063	18,063		46
	MESAVERDE	8045	8077	32	No Perfs				50	SW Sweep	0	0	Slickwater	0	1,052	0.0%	0.0%	0	0		43
	MESAVERDE	8080	8091	11	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	688	1,740	28.3%	33.5%	36,125	54,188		0
	MESAVERDE	8082	8097	5	No Perfs				50	SW Sweep	0	0	Slickwater	125	1,865	0.0%	0.0%	0	0		43
	MESAVERDE	8102	8120	18	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	71	1,937	2.8%	2.8%	3,000	57,188		0
	MESAVERDE	8134	8135	1	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	688	2,554	28.3%	46.9%	50,575	107,763		0
	MESAVERDE	8138	8145	7	No Perfs				50	Flush (4-1/2")				125	2,678				107,763		52
	MESAVERDE	8148	8149	1	No Perfs					ISDP and 5 min ISDP											237
	MESAVERDE	8150	8163	3	No Perfs																
		Ft of Net Pay	85	# of Perfs/stage	44	53.6	<< Above pump time (min)			Flush depth	8012	gal/ft	1,200	1,268	lbs sand/ft	12					
2	MESAVERDE	7852	7853	1	7874	7878	3	12	Varied	Pump-in test			Slickwater	0	0						
	MESAVERDE	7854	7868	14	7914	7916	3	6	0	ISIP and 5 min ISIP											
	MESAVERDE	7870	7880	10	7935	7937	3	6	50	Slickwater Pad			Slickwater	519	519	15.0%	0.0%	0	0		65
	MESAVERDE	7887	7899	12	7965	7970	4	20	50	Slickwater Ramp	0.25	1	Slickwater	980	1,499	28.3%	16.9%	25,721	25,721		62
	MESAVERDE	7901	7919	18	No Perfs				50	SW Sweep	0	0	Slickwater	125	1,624	0.0%	0.0%	0	25,721		8
	MESAVERDE	7924	7925	1	No Perfs				50	Slickwater Ramp	1	1.5	Slickwater	980	2,603	28.3%	33.8%	51,443	77,164		62
	MESAVERDE	7929	7940	11	No Perfs				50	SW Sweep	0	0	Slickwater	250	2,853	0.0%	0.0%	0	77,164		0
	MESAVERDE	7944	7946	2	No Perfs				50	Slickwater Ramp	0.5	1.5	Slickwater	71	2,925	2.0%	2.0%	3,000	80,164		0
	MESAVERDE	7950	7950	0	No Perfs				50	Slickwater Ramp	1.5	2	Slickwater	980	3,833	28.3%	47.3%	72,020	152,184		0
	MESAVERDE	7962	7963	1	No Perfs				50	Flush (4-1/2")				122	3,955				152,184		50
	MESAVERDE	7964	7973	9	No Perfs					ISDP and 5 min ISDP											247
	MESAVERDE	7975	7976	1	No Perfs																
	MESAVERDE	7980	7980	0																	



Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
DENVER, CO 80217-3779

January 19, 2009

Mr. Dustin Doucet
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Bitter Creek 1122-5C
NENW Sec. 5, T11S-R22E
API Well No. 4304739562
Uintah County, Utah

Dear Dustin,

In accordance with R649-3-22, "Completion Into Two or More Pools", please be advised that there are no contiguous owners in oil and gas leases or in drilling units overlying the pool we intend to commingle to notify. As evidenced by the enclosed plat, Kerr-McGee Oil & Gas Onshore LP and Robert L. Bayless, Producer LLC share 100% of the working interest in all contiguous leasehold.

Please let me know if anything further is required in order to approve the sundry submitted to you regarding the commingled completion of the Bitter Creek 1122-5C. I have enclosed a copy of the sundry notice.

Thank you for your attention to our request.

Sincerely,
KERR-McGEE OIL & GAS ONSHORE LP


Jason Rayburn
Landman

enclosures

RECEIVED

JAN 22 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH)

) ss

COUNTY OF UINTAH)

AFFIDAVIT

Jason Rayburn, of lawful age, and being first duly sworn upon oath, deposes and says:

He is a Landman of Kerr-McGee Oil & Gas Onshore LP, of Denver, Colorado. Kerr-McGee Oil & Gas Onshore LP is the operator of the following described well:

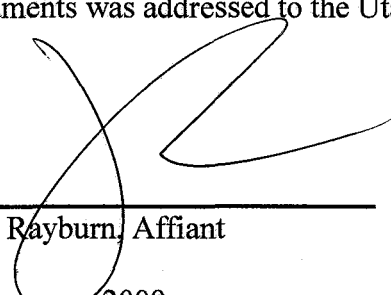
**BITTER CREEK 1122-5C
1070' FNL, 2489' FWL (NENW)
SECTION 5, T11S- R22E
UINTAH COUNTY, UTAH**

Kerr-McGee Oil & Gas Onshore LP and Robert L. Bayless, Producer LLC., are the only owners in the well and/or of all the contiguous oil and gas leases or drilling units overlying the pool.

On the 19th day of January, 2009, he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling into two or more pools (formations) in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining.

Further affiant saith not.



Jason Rayburn, Affiant

Subscribed and sworn before me this 19th day of January, 2009.



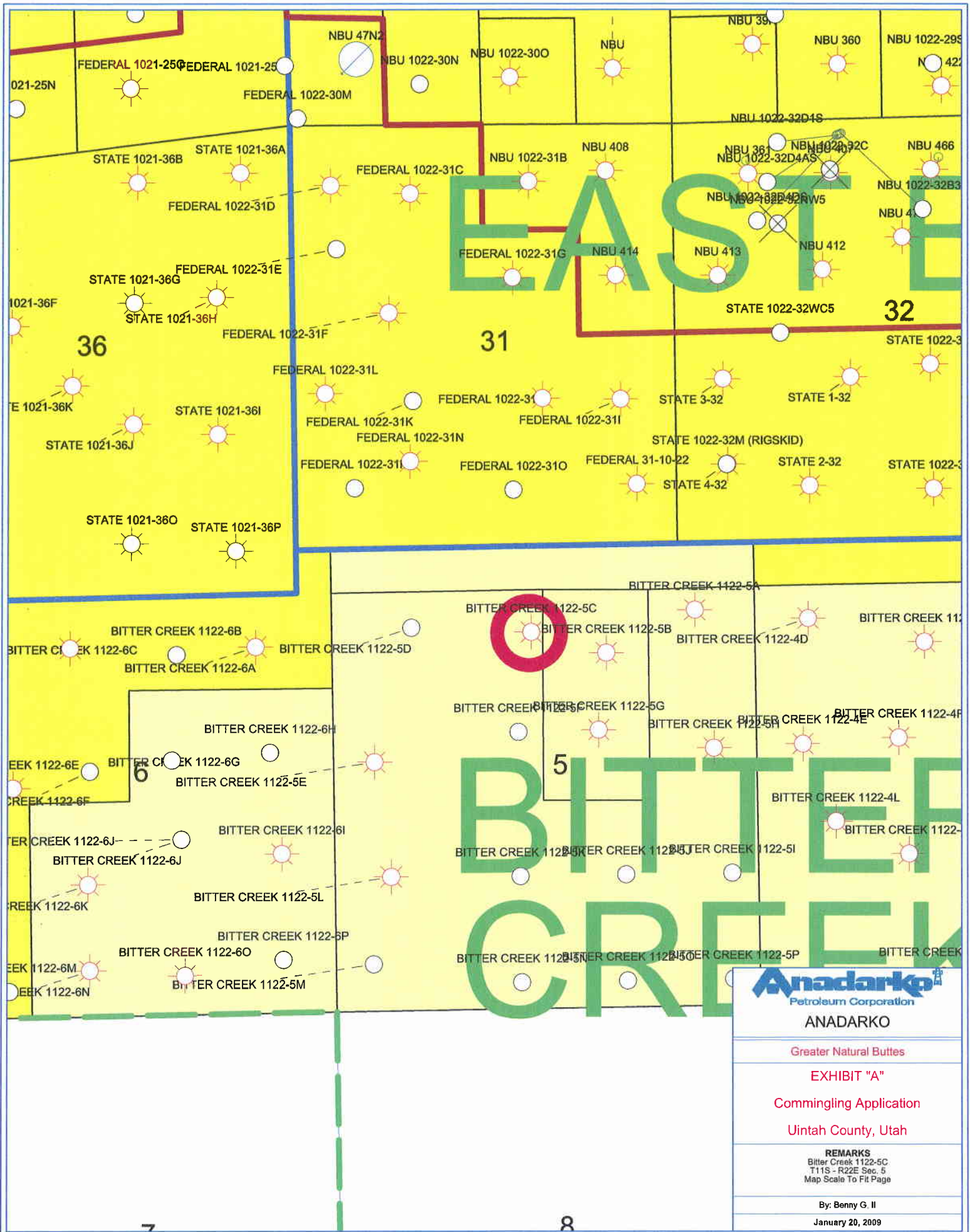
My Commission Expires Aug. 18, 2009



Notary Public

My Commission Expires:

Aug. 16, 2009



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU71417
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. BITTER CREEK 1122-5C
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T11S R22E NENW 1070FNL 2489FWL		9. API Well No. 43-047-39562
		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State UINTAH COUNTY, UT

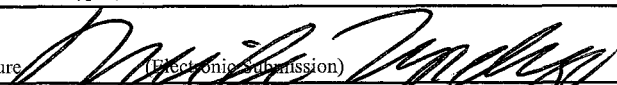
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS PLACED THE SUBJECT WELL ON PRODUCTION ON 02/10/2009 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67541 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 02/24/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

MAR 02 2009

DIV. OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C			Spud Conductor: 12/9/2008				Spud Date: 12/16/2008	
Project: UTAH			Site: UINTAH				Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING			Start Date: 12/16/2008				End Date: 1/5/2009	
Active Datum: RKB @5,553.00ft (above Mean Sea Level)			UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
12/16/2008	14:00 - 0:00	10.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1400 HR 12/16/08 DA AT REPORT TIME 690'
12/17/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		DRILL F/ 690' TO 1200' W/ SKID PUMP
	12:00 - 0:00	12.00	DRLSUR	02	A	P		DRILL F/ 1200' TO 1650' W/ SKID PUMP
12/18/2008	0:00 - 10:00	10.00	DRLSUR	02	A	P		DRILL F/ 1650' TO 1870' TD W/ AIR RIG 10:00
	10:00 - 16:00	6.00	CSG	11	B	P		LDDS, RUN 1840.65', 42 JTS 9-5/8" 36# J-55. RUN 200' OF 1" PIPE DOWN BACKSIDE OF CSG. RIG DOWN AIR RIG. FLOAT SET @ 1795'
	16:00 - 19:00	3.00	CSG	15	A	P		HOLD SAFETY MEETING, PRESSURE TEST LINES TO 2500 PSI. PUMP 20 BBLS OF GEL WATER, PUMP 109 BBLS (160 SX) 11#, 3.82 YD, 23 GAL/SK. PUMP TAIL 40 BBLS (200 SX) 15.8#, 1.15YD, 5 GAL/SX. DISPLACE CSG 138.5 BBLS OF H2O, 38.5 BBLS OF CEMENT TO SURFACE. PUMP (20 BBLS) 100 SX 15.8#, 1.18, 5 GAL/SK DOWN 1". CEMENT RECEDED. PUMP TOP OUT 15 BBLS (75 SX) 15.8#, 1.18 YD, 5 GAL/SX CEMENT STAYED AT SURFACE. RIG DOWN CEMENTERS. RDRT
12/24/2008	0:00 - 6:00	6.00	MIRU	01	E	P		MOVE RIG TO BITTER CREEK 1122-5C RURT, 10 TRUCKS 2 FORKLIFTS ON LOC @ 07:00
	6:00 - 0:00	18.00	MIRU	01	B	P		RELEASED @ 17:00 ,CRANE ON LOC @ 09:00 RELEASED @ 17:30, STUBBS & STUBBS HAD 2 ROAD GRADERS ASSIST IN MOVE ,100% MOVED,50% RIGGED UP
12/25/2008	0:00 - 0:00	24.00	MIRU	01	B	P		RURT ,THAW OUT WATER & STEAM LINES,RAISE SUB & DERRICK,RIG UP FLOOR,80 % RIGGED UP
12/26/2008	0:00 - 12:00	12.00	MIRU	01	B	P		RURT,UNTHAW WATER LINES,RIG UP PASON,FLARE LINES ,GAS BUSTER
	12:00 - 19:00	7.00	MIRU	13	A	P		NIPPLE UP BOP,CHANGE CHECK VALVE
	19:00 - 0:00	5.00	MIRU	13	C	P		SAFETY MEETING W/ B&C QUICK TEST R/U & TEST BOP,TEST FLOOR VALVES,UPPER & LOWER KELLY VALVES,PIPE RAMS,INSIDE VALVES,OUTSIDE KILL LINE VALVE & HCR TO 5000 PSI
12/27/2008	0:00 - 4:00	4.00	DRLPRO	13	C	P		FINISH TESTING BOP TEST CHOKE LINE, MANIFOLD BLIND RAMS,SUPER CHOKE TO 5000 PSI,ANNULAR TO 2500 PSI,CASING TO 1500 PSI ,R/D B&C QUICK TEST,INSTALL WEAR RING
	4:00 - 11:30	7.50	DRLPRO	05	A	P		SAFETY MEETING W/ TESCO R/U & P/U DRILL STRING ,RD TESCO
	11:30 - 14:30	3.00	DRLPRO	07	A	Z		RIG REPAIR, INSTALL NEW WIRE HARNESS ON #2 DRAW WORKS ENGINE
	14:30 - 16:30	2.00	DRLPRO	06	D	P		CUT & SLIP 160' DRILL LINE
	16:30 - 0:00	7.50	DRLPRO	07	A	X		RIG REPAIR, NEW WIRE HARNESS ON #2 DRAW WORKS ENGINE BURNT OUT , WAIT ON MECHANIC & WIRE HARNESS
12/28/2008	0:00 - 9:30	9.50	DRLPRO	07	A	Z		RIG REPAIR WAIT ON ELECTRICAL PARTS TO REPAIR #2 DRAW WORKS ENGINE,INSTALL STARTER & REPAIR WIRING
	9:30 - 12:00	2.50	DRLPRO	02	F	P		DRILL OUT CEMENT & F.E
	12:00 - 12:30	0.50	DRLPRO	02	B	P		SPUD @ 12:00 12/28/2008 ,DRLG F/ 1888' TO 1964' (76')WATER
	12:30 - 13:00	0.50	DRLPRO	09	A	P		SURVEY @ 1887' 1.6 DEG.

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C			Spud Conductor: 12/9/2008				Spud Date: 12/16/2008	
Project: UTAH			Site: UINTAH				Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING			Start Date: 12/16/2008				End Date: 1/5/2009	
Active Datum: RKB @5,553.00ft (above Mean Sea Level)			UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/O/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
12/29/2008	13:00 - 16:30	3.50	DRLPRO	02	B	P		DRLG F/ 1964' TO 2249' (285' 81.4' HR) WATER,START MUD UP
	16:30 - 17:00	0.50	DRLPRO	09	A	P		SURVEY @ 2172' 1.51 DEG.
	17:00 - 18:00	1.00	DRLPRO	02	B	P		DRLG F/ 2249' TO 2281' (32') WATER
	18:00 - 18:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	18:30 - 21:00	2.50	DRLPRO	02	B	P		DRLG F/ 2281' TO 2469' (188' 75.2' HR) WT 8.3/41
	21:00 - 21:30	0.50	DRLPRO	07	A	X		WORK ON AIR LINES
	21:30 - 0:00	2.50	DRLPRO	02	B	P		DRLG F/ 2469' TO 2625' (156' 62.4' HR) WT 9.1/43
	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 2625' TO 2692' (67' 67' HR) WT 9.0/40
	1:00 - 1:30	0.50	DRLPRO	09	A	P		SURVEY @ 2622' 1.72 DEG.
	1:30 - 9:30	8.00	DRLPRO	02	B	P		DRLG F/ 2692' TO 3231' (539' 67.3' HR) WT 9.1/44
	9:30 - 10:00	0.50	DRLPRO	09	A	P		SURVEY @ 3154' 188 DEG.
	10:00 - 17:00	7.00	DRLPRO	02	B	P		DRLG F/ 3231' TO 3737' (506' 72.2' HR) WT 9.5/41
	17:00 - 17:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	17:30 - 18:30	1.00	DRLPRO	02	B	P		DRLG F/ 3737' TO 3800' (63') WT 9.6/42
12/30/2008	18:30 - 19:00	0.50	DRLPRO	09		P		SURVEY @ 3723' 2.03 DEG.
	19:00 - 0:00	5.00	DRLPRO	02	B	P		DRLG F/ 3800' TO 4280' (480' 96' HR) WT 9.7/43
	0:00 - 2:00	2.00	DRLPRO	02	B	P		DRLG F/ 4280' TO 4465' (185' 92.5' HR) WT 9.9/43
	2:00 - 2:30	0.50	DRLPRO	09	A	P		SURVEY @ 4390' 2 DEG.
	2:30 - 15:30	13.00	DRLPRO	02	B	P		DRLG F/ 4465' TO 5256' (791' 60.8' HR) WT 10.1/46
	15:30 - 16:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:00 - 18:30	2.50	DRLPRO	02	B	P		DRLG F/ 5256' TO 5383' (127' 50.8' HR) WT 10.2/40
	18:30 - 19:00	0.50	DRLPRO	07	B	Z		RIG REPAIR, REPLACE AIRLINE ON ROTARY
	19:00 - 19:30	0.50	DRLPRO	02	B	P		DRLG F/ 5383' TO 5415' (32') WT 10.2/41
	19:30 - 20:30	1.00	DRLPRO	07	B	Z		RIG REPAIR ,REPLACE GASKET IN VIBERATING HOSE
	20:30 - 21:30	1.00	DRLPRO	02	B	P		DRLG F/ 5415' TO 5510' (95') WT 10.2/41
	21:30 - 22:00	0.50	DRLPRO	09	A	P		SURVEY @ 5435' 2.51 DEG.
	22:00 - 23:00	1.00	DRLPRO	02	B	P		DRLG F/ 5510' TO 5573' (63') WT 10.4/42
	23:00 - 0:00	1.00	DRLPRO	07	B	Z		RIG REPAIR CHANGE OUT HAMMER UNION ON VIBERATING HOSE
12/31/2008	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 5573' TO 6174' (601' 40' HR) WT 10.7/43
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:30 - 22:30	7.00	DRLPRO	02	B	P		DRLG F/ 6174' TO 6458' (284' 40.5' HR) WT 10.8/43
	22:30 - 23:00	0.50	DRLPRO	09	A	P		SURVEY @ 6383' 1.92 DEG.
1/1/2009	23:00 - 0:00	1.00	DRLPRO	02	B	P		DRLG F/ 6458' TO 6490' (32') WT 10.8/45
	0:00 - 11:30	11.50	DRLPRO	02	B	P		DRLG F/ 6490' TO 6909' (419' 36.4' HR) WT 10.9/44
	11:30 - 12:00	0.50	DRLPRO	04	C	P		CIRC,BUILD & PUMP PILL
	12:00 - 14:30	2.50	DRLPRO	05	A	P		TOOH w BIT #1
1/2/2009	14:30 - 15:00	0.50	DRLPRO	06	A	P		RIG SERVICE ,ADJUST BRAKES
	15:00 - 19:00	4.00	DRLPRO	05	A	P		TOOH W/ BIT #1 TIGHT 6554-6346 & 2823-1942 , L/D MOTOR & IBS
	19:00 - 21:30	2.50	DRLPRO	05	A	P		P/U BIT #2 & NEW MOTOR TIH TO 4500'
	21:30 - 22:00	0.50	DRLPRO	07	B	Z		WELD NEW HAMMER UNION ON MUD LINE
	22:00 - 23:30	1.50	DRLPRO	05	A	P		FILL PIPE ,FINISH TIH ,NO PROBLEMS
	23:30 - 0:00	0.50	DRLPRO	03	D	P		WASH 75' TO BOTTOM 3' FILL
	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG F/ 6909' TO 7810' (901' 56.3' HR)WT 11.2/42
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C

Spud Conductor: 12/9/2008

Spud Date: 12/16/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 12/16/2008

End Date: 1/5/2009

Active Datum: RKB @5,553.00ft (above Mean Sea Level)

UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/3/2009	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 7810' TO 8070' (260' 34.6' HR) WT 11.5/45
	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 8070' TO 8474' (404' 28.8' HR) WT11.6/45
	14:00 - 14:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	14:30 - 17:30	3.00	DRLPRO	02	B	P		DRLG F/ 8474' TO 8569' TD @ 17:30 1/3/2009 WT 11.6/42
	17:30 - 19:30	2.00	DRLPRO	04	C	P		CIRC & COND F/ SHORT TRIP
	19:30 - 22:00	2.50	DRLPRO	05	E	P		SHORT TRIP TO 6600' ,TAG BRIDGE ON TIH @ 8323' KELLY UP WASH THROUGH BRIDGE TIH
1/4/2009	22:00 - 0:00	2.00	DRLPRO	04	C	P		CIRC & COND F/ LDDP
	0:00 - 0:30	0.50	DRLPRO	04	C	P		CIRC & COND,SAFETY MEETING W/ TESCO & R/U
	0:30 - 9:30	9.00	DRLPRO	05	A	P		LDDP ,BREAK KELLY ,L/D BHA , ATTEMPT TO PULL WEAR RING
	9:30 - 10:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	10:00 - 18:00	8.00	DRLPRO	10	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO TO 8571' ,LOG OUT, LOG FAILED @ 5000' ,POOH ,REWIRE CABLE HEAD ,RIH ,LOG OUT F/ 5000' , R/D BAKER ATLAS
	18:00 - 18:30	0.50	DRLPRO	13	B	P		PULL WEAR RING
1/5/2009	18:30 - 0:00	5.50	DRLPRO	11	B	P		SAFETY MEETING W/ TESCO R/U & RUN 4 1/2 PROD CASING
	0:00 - 1:30	1.50	DRLPRO	11	B	P		FINISH RUNNING 202 JTS 4 1/2,11.6,I-80 PROD CASING TO 8563'
	1:30 - 3:00	1.50	DRLPRO	04	E	P		CIRC F/ CEMENT ,SAFETY MEETING W/ BJ SERVICES
	3:00 - 7:00	4.00	DRLPRO	15	A	P		PUMP 20 BBLS MUD CLEAN,20 SX SCAVENGER,315 SX LEAD,1200 SX TAIL,DISPLACE W/ 132 BBLS CLAYTREAT WATER ,BUMPED PLUG @3300 PSI, FLOATS HELD 12 BBLS LEAD CEMENT BACK TO PIT,R/D BJ
	7:00 - 8:00	1.00	DRLPRO	13	B	P		ATTEMPT TO INSTALL HANGER PACKING ,WOULD NOT SET
	8:00 - 13:00	5.00	DRLPRO	13	A	P		NIPPLE DOWN , CLEAN PITS ,RELEASE RIG @ 13:00 1/5/2009 TO NBU 922-29 LT ,WILL MOVE THIS AM W/ L&S TRUCKING

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C			Spud Conductor: 12/9/2008			Spud Date: 12/16/2008			
Project: UTAH			Site: UINTAH				Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 2/2/2009				End Date: 2/6/2009		
Active Datum: RKB @5,553.00ft (above Mean Sea Level)			UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation	
2/3/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.	
	7:30 - 18:00	10.50	COMP	31	I	P		ROAD RIG F/ B.C. 1122-6D. MIRU RIG, SPOT EQUIP. OPEN WELL 0#. ND WH, (WELL HEAD IS 7 1/6, 10K FLANG. NEED 10K BOLTS & XO SPOOL.) NUBOP. RU RIG FLOOR & TBG EQUIP. PREP & TALLY 282 JTS 2 3/8, J-55 NEW TBG. PU 3 7/8 MILL & BIT SUB. RIH W/ 183 JTS TBG T/ 5500'. X-OVER, POOH. SB 182 JTS 2 3/8, J-55 TBG & LD 1 SINGLE. LD BITSUB & 3 7/8 MILL. ND BOP, NU 7 1/16-10K X 4 1/16-10K SPOOL & APC FRAC VALVES. MIRU B&C QUICK TEST. PSI TEST BOTH FRAC VALVES & CSG T/ 7500#. GOOD TEST. BLEAD OFF PSI. RDMO B&C QUICK TEST. SWI. SDFN. PREP T/ PERF & FRAC IN THE :AM. HSM.	
2/4/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.	

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C			Spud Conductor: 12/9/2008			Spud Date: 12/16/2008		
Project: UTAH			Site: UINTAH			Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 2/2/2009			End Date: 2/6/2009		
Active Datum: RKB @5,553.00ft (above Mean Sea Level)			UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 17:30	10.00	COMP	36	B	P		MIRU BJ FRAC SERV & CUTTERS W.L. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 & 90 DEG PHASING. RIH PERF F/ 8084'-89', 4 SPF, 20 HOLES. 8062'-70', 3 SPF, 24 HOLES. POOH. X-OVER FOR FRAC CREW. PSI TEST LINES T/ 8500#. GOOD TEST. BLEED PSI OFF. OPEN WELL 0#. BEG PUMP, BRK @ 4985# @ 4.2 BPM. SD ISIP 2739#, FG .78. BEG FRAC PUMP 102,840# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 3198#, FG .84. SWI. X-OVER FOR W.L.. STG 2)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. RIH SET CBP @ 8000', P/U PERF F/ 7965'-70', 4 SPF, 20 HOLES. 7935'-37', 3 SPF, 6 HOLES. 7914'-16', 3 SPF, 6 HOLES. 7874'-78', 3 SPF, 12 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 200#. BEG PUMP, BRK @ 4170# @ 4.6 BPM. SD ISIP 2874#, FG .81. BEG FRAC, PUMP 147,192# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2715#, FG .79. X-OVER FOR W.L.. STG 3)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7752', P/U PERF F/ 7718'-22', 3 SPF, 12 HOLES. 7687'-97', 3 SPF, 30 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 123#. BEG PUMP, BRK @ 4541# @ 3 BPM. SD ISIP 3119#, FG .85. BEG FRAC, PUMP 23,068# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2624#, FG .79. X- OVER FOR W.L.. STG 4)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 & 90 DEG PHASING. RIH SET CBP @ 7330' P/U PERF F/ 7307'-10', 4 SPF, 12 HOLES. 7255'-65', 3 SPF, 30 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 100#. BEG PUMP, BRK @ 3510# @ 4,8 BPM. SD ISIP 2239#, FG .75. BEG FRAC, PUMP 22,777# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2489#, FG .79.. X-OVER FOR W.L.. STG 5)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5814' P/U PERF F/ 5782'-84', 4 SPF, 8 HOLES. 5750'-58', 4 SPF, 32 HOLES. POOH, PREP T/ FRAC IN THE :AM. SWI, SDFN. HSM.
2/5/2009	7:00 - 7:30	0.50	COMP	48		P		

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C

Spud Conductor: 12/9/2008

Spud Date: 12/16/2008

Project: UTAH

Site: UINTAH

Rig Name No: GWS 1/1

Event: COMPLETION

Start Date: 2/2/2009

End Date: 2/6/2009

Active Datum: RKB @5,553.00ft (above Mean Sea Level)

UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	36	B	P		<p>OPEN WELL 200#, STG 5)SET CBP & PERF LASTNITE. OPEN WELL 200#. BEG PUMP, BRK @ 2174# @ 3.6 BPM. SD ISIP 1821#, FG .76. BEG FRAC, PUMP 45,978# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2739#, FG .92. X-OVER FOR W.L..</p> <p>STG 6)PU 4 1/2, 8K BAKER CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5604', P/U PERF F/ 5560'-74', 3 SPF, 42 HOLES. POOH, X-OVER FOR FRAC CREW. OPEN WELL 250#, BEG PUMP, BRK @ 2638# @ 4.6 BPM. SD ISIP 969#, FG .62. BEG FRAC, PUMP 80,588# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2068#, FG .82. SWI. TURN WELL OVER T/ W.L. P/U 4 1/2, 8K BAKER CBP. RIH SET CBP @ 5535'. POOH W/ W.L.. RDMO BJ FRAC SERV & CUTTERS W.L.. BLEED OFF WELL. ND FRAC VALVES, NU BOP. RU TBG EQUIP & RIG FLOOR. PU 3 7/8 BIT + X-DARK VALVE + POBS + XN-NIPPLE, RIH W/ TBG TAG KILL PLUG. RU DRL EQUIP & PUMP & LINES. PREP T/ DRL OUT IN THE :AM. SWI. SDFN.</p>
2/6/2009	7:00 - 7:30	0.50	COMP	48		P		HSM.

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C		Spud Conductor: 12/9/2008		Spud Date: 12/16/2008	
Project: UTAH		Site: UINTAH			Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 2/2/2009		End Date: 2/6/2009	
Active Datum: RKB @5,553.00ft (above Mean Sea Level)		UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		OPEN WELL 0#. BRK CONV CIRC. BEG DRL OUT. CBP 1)TAG FILL @ 5530' = 5' FILL. C/O SAND, DRL OUT CBP @ 5535' IN 14 MIN. 400# INCR. CONT RIH. CBP 2)TAG FILL @ 5574' = 30' FILL. C/O SAND, DRL OUT CBP @ 5604' IN 5 MIN. 650# INCR. CONT RIH. CBP 3)TAG FILL @ 5779' = 35' FILL. C/O SAND, DRL OUT CBP @ 5814' IN 5 MIN. 50# INCR. CONT RIH. CBP 4)TAG FILL @ 7300' = 30' FILL. C/O SAND, DRL OUT CBP @ 7330' IN 5 MIN. 350# INCR. CONT RIH. CBP 5)TAG FILL @ 7720' = 30' FILL. C/O SAND, DRL OUT CBP @ 7750' IN 6 MIN. 50 # INCR. CONT RIH. CBP 6)TAG FILL @ 7980' = 20' FILL. C/O SAND, DRL OUT CBP @ 8000' IN 6 MIN. 750# INCR. CONT RIH T/ 8240', 150' BELOW BTM PERF @ 8089'. RD DRL EQUIP. POOH LD 12 JTS 2 3/8, J55 (EXESS TBG). PU 7 1/16 TBG HNGR & LAND TBG W/ KB 18.00 7 1/16 TBG HNGR 1.10 256 JTS 2 3/8, J-55 7844.07 POBS, 1.875 2.20 ----- EOT @ 7865.37 ND BOP, NU WH. DROP BALL. RIG PUMP T/ TBG. PUMP 20 BBLS 2% KCL. DIDN'T SEE BIT GO. SWI FOR 30 MIN. OPEN WELL T/ PIT. TURN WELL OVER T/ FBC. SICP 1150# FTP 150# ON 64/64 CHOCK. RACK OUT RIG EQUIP, RDMO RIG. END JOB. ((((TBG HNGR IS 7 1/16. WH HEAD FLANGE IS 7 1/16 X 10K FLANGE.))))) AZTEC 283 RIG 282 IN THE WELL 256 JTS 2 3/8, J-55 TBG. 7 AM FLBK REPORT: CP 900#, TP 900#, 20/64" CK, 55 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2890 BBLS LEFT TO RECOVER: 9021 7 AM FLBK REPORT: CP 750#, TP 950#, 20/64" CK, 43 BWPH, TRACE SAND, MED GAS TTL BBLS RECOVERED: 3982 BBLS LEFT TO RECOVER: 7929 7 AM FLBK REPORT: CP 1050#, TP 1000#, 20/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4883 BBLS LEFT TO RECOVER: 7028
2/7/2009	7:00 -			33	A			
2/8/2009	7:00 -			33	A			
2/9/2009	7:00 -			33	A			

ROCKIES

Operation Summary Report

Well: BITTER CREEK 1122-5C			Spud Conductor: 12/9/2008			Spud Date: 12/16/2008			
Project: UTAH			Site: UINTAH				Rig Name No: GWS 1/1		
Event: COMPLETION			Start Date: 2/2/2009				End Date: 2/6/2009		
Active Datum: RKB @5,553.00ft (above Mean Sea Level)				UWI: 0/11/S/22/E/5/0/NENW/6/PM/N/1,070.00/W/0/2,489.00/O/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation	
2/10/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1350#, TP 1150#, 20/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5624 BBLS LEFT TO RECOVER: 6287	
2/11/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1500#, TP 900#, 24/64" CK, 27 BWPH, TRACE SAND, 1600 GAS TTL BBLS RECOVERED: 6376 BBLS LEFT TO RECOVER: 5535	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU71417

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE Mail: sheila.upchego@anadarko.com			8. Lease Name and Well No. BITTER CREEK 1122-5C		
3. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078			9. API Well No. 43-047-39562		
3a. Phone No. (include area code) Ph: 435-781-7024					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENW 1070FNL 2489FWL At top prod interval reported below NENW 1070FNL 2489FWL At total depth NENW 1070FNL 2489FWL			10. Field and Pool, or Exploratory UNDESIGNATED		
			11. Sec., T., R., M., or Block and Survey or Area Sec 5 T11S R22E Mer SLB		
			12. County or Parish UINTAH		13. State UT
14. Date Spudded 12/09/2008		15. Date T.D. Reached 01/03/2009	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/01/2009		17. Elevations (DF, KB, RT, GL)* 5535 GL
18. Total Depth: MD TVD 8569		19. Plug Back T.D.: MD TVD 8240		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL-CCL-GR Comp 2, CN, Cal, HDI			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		1870		535			
7.875	4.500 I-80	11.6		8569		1515			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7865							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5560	5784	5560 TO 5784	0.360	82	OPEN
B) MESAVERDE	7255	8089	7255 TO 8089	0.360	172	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5560 TO 5784	PMP 3306 BBLs SLICK H2O & 136,566# 30/50 OTTOWA SD
7255 TO 8089	PMP 8605 BBLs SLICK H2O & 315,870# 30/50 OTTOWA SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/01/2009	02/12/2009	20	→	0.0	1553.0	1100.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 417 SI	Csg. Press. 2.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 1553	Water BBL 1100	Gas:Oil Ratio	Well Status PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
02/01/2009	02/12/2009	20	→	0.0	1553.0	1100.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 417 SI	Csg. Press. 2.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 1553	Water BBL 1100	Gas:Oil Ratio	Well Status PGW	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #67761 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED
MAR 05 2009

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(*Sold, used for fuel, vented, etc.*)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER BIRDS NEST MAHOGANY WASATCH MESAVERDE	937 1223 1643 3996 6432	6408 8437			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #67761 Verified by the BLM Well Information System.
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (please print) SHEILA UPCHEGO

Title OPERATIONS

Signature

(Electronic Submission)

Date 03/03/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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